

AR TARGET SHEET

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TITLE: Hanford Site Air Operating Permit
Annual Compliance Certification
Report for Period January 1, 2006
through December 31, 2006

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Revision 0

Hanford Site Air Operating Permit Annual Compliance Certification Report for the Period January 1, 2006 Through December 31, 2006

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management



**United States
Department of Energy**
P.O. Box 550
Richland, Washington 99352

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Hanford Site Air Operating Permit Annual Compliance Certification Report for the Period January 1, 2006 Through December 31, 2006

Date Published
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Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management



**United States
Department of Energy**
P.O. Box 550
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J. D. Arndal *06/20/2007*
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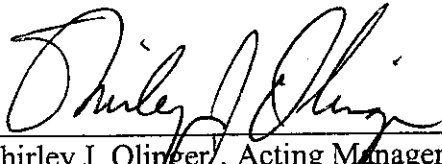
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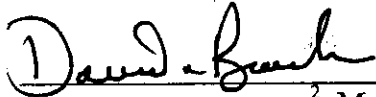
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**Certification For
Hanford Site Air Operating Permit Number 00-05-006
Annual Compliance Certification Report
for the Period January 1, 2006 through December 31, 2006**

Certification:

In accordance with WAC 173-401-200(29)(c) as the responsible official, I certify, pursuant to WAC 173-401-520, that, based on information and belief formed after reasonable inquiry, the statements and information provided in this Annual Compliance Certification Report are true, accurate, and complete.

 6/4/07
Shirley J. Olinger, Acting Manager Date
U.S. Department of Energy
Office of River Protection

 2/29/07
David A. Brockman², Manager Date
U.S. Department of Energy
Richland Operations Office

¹ For emission units under control of the U.S. Department of Energy, Office of River Protection.

² For emission units under control of the U.S. Department of Energy, Richland Operations Office.

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ACRONYMS

ABCASH	automated bar coding of air samples at Hanford
ALARACT	As Low As Reasonably Available Control Technology
ANSI	American National Standards Institute
AOP	Air Operating Permit
APQ	annual possession quantity
ASIL	acceptable source impact levels
BCAA	Benton Clean Air Authority
BED	building emergency director
BERO	Building Emergency Response Organization
CAM	continuous air monitor
CERCLA	<i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980</i>
CCN	correspondence control number
CDM	compliance determination method
CFR	Code of Federal Regulations
ci	curie
cm	centimeters
CSB	Canister Storage Building
CVDF	Cold Vacuum Drying Facility
CWC	Central Waste Complex
CY	calendar year
DOE	U.S. Department of Energy
DOE-RL	U.S. Department of Energy, Richland Operations Office
DOP	dioctyl phthalate
dpm	disintegrations per minute
ECN	Engineering Change Notice
Ecology	Washington State Department of Ecology
EDE	effective dose equivalent
EDP	electronic data processing
EM	Effluent Management
EM RIDS	Environmental Management Records Information Document System
EP	Environmental Protection
EPA	U.S. Environmental Protection Agency
EPR	Electronic Proposal & Risk
ERS	Environmental Release Summary
ES&H	Environmental Safety and Health
ESPC	Energy Savings Performance Contract
ETF	200 Areas Effluent Treatment Facility
FFCA	Federal Facility Compliance Agreement
FH	Fluor Hanford Inc.
FMP	Facility Management Plan

ACRONYMS (cont)

GCMP	gas cylinder management process
GCP	good combustion practices
GED	gaseous emissions database
HEGA	high-efficiency gas absorber
HEPA	high-efficiency particulate air
HLRF	High-Level Radiochemical Facility
HNF	document identifier
Hp	horsepower
HPT	health physics technician
HWTU	325 Hazardous Waste Treatment Unit
JCI	Johnson Controls, Inc.
JCS	job control system
LANMAS	Local Area Network Material Accountability System
LERF	Liquid Effluent Retention Facility
LLW	low-level waste
MCO	multicanister overpack
mrem/year	millirem per year
MSA	management self assessment
N/A	not applicable
NDA	nondestructive assay
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOC	notice of construction
NRA	NOC revision approval
NSR	new source review
ONC	Occurrence Notification Center
PCM	periodic confirmatory measurement
PER	Problem Evaluation Request
PFP	Plutonium Finishing Plant
PHMC	Project Hanford Management Contractor
PNNL	Pacific Northwest National Laboratory
POC	point of contact
PORTEX	portable exhauster
ppm	parts per million
PSTF	Purgewater Storage Tank Facility
PTE	potential-to-emit
PTRAEU	portable/temporary radioactive air emission unit

ACRONYMS (cont)

QA	quality assurance
RACT	reasonably achievable control technology
RCF	Radiological Counting Facility
RCT	radiological control technician
RIDS	Records Inventory and Disposal Schedule
RMCS	rotary mode core sampling
RMP	risk management plan
RMS	remote monitoring system
RPL	Radiochemical Processing Laboratory
RTAM	Routine Technical Assistance Meeting
SAL	Shielded Analytical Laboratory
SBMS	Standards Based Management System
SNF	spent nuclear fuel
SOW	statement of work
SWITS	Solid Waste Information Tracking System
TAP	toxic air pollutant
TBACT	best available control technology for toxics
TRU	transuranic
TTQP	tritium target qualification program
Vac	vacuum
VOC	volatile organic compound
WAC	Washington Administrative Code
WCH	Washington Closure Hanford
WDOH	Washington State Department of Health
WRAP	Waste Receiving and Processing Facility
WSCF	Waste Sampling and Characterization Facility
WTP	Waste Treatment Project

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HANFORD SITE AIR OPERATING PERMIT ANNUAL COMPLIANCE CERTIFICATION REPORT FOR THE PERIOD JANUARY 1, 2006 THROUGH DECEMBER 31, 2006

1.0 INTRODUCTION

The Hanford Site Air Operating Permit (AOP), Number 00-05-006, became effective on July 2, 2001. AOP, Section 4.3.4, "Annual Compliance Certification", requires submittal of an annual compliance certification report no later than 12 months following the effective date of the permit. This report is to be certified for truth, accuracy, and completeness [Washington Administrative Code (WAC) 173-401-520] by a Responsible Official [WAC 173-401-200(29)].

This annual compliance certification report contains information from January 1, 2006 through December 31, 2006.

Copies of annual compliance certification reports are transmitted to the Washington State Department of Ecology (Ecology), the Washington State Department of Health (WDOH), the Benton Clean Air Authority (BCAA), and the U.S. Environmental Protection Agency (EPA), Region 10.

For the applicable reporting period, AOP, "Standard Terms and Conditions", Section 4.3.4 requires the following content for the annual compliance certification report:

1. Each emission unit term or condition listed in Attachments 1 and 2, as well as Attachment 3 for asbestos and open burning
2. The compliance status
3. Whether compliance was continuous or intermittent
4. Method(s) used to determine compliance status of the source over the reporting period consistent with WAC 173-401-615(3)(a)
5. Such other facts as Ecology, WDOH, or BCAA might require to determine compliance status of the source.

According to WAC 173-401-630(5), no certification is required for insignificant emission units.

As clarified in an amendment in April 2002, specific terms and conditions for this annual compliance certification report consist of all emission unit specific terms and conditions contained in AOP Attachment 1 and Attachment 2 tables, plus Attachment 3 for asbestos and open burning.

ATTACHMENT 1 REQUIREMENTS

AOP Attachment 1 contains terms and conditions issued by Ecology. Emission unit specific terms and conditions are contained in the AOP Tables 1.2 through 1.7. Appendix A of this report provides emission unit specific terms and conditions, compliance status during the reporting period, and the basis used to determine the compliance status for these AOP listed units and requirements.

The AOP Table 1.7 contains requirements for miscellaneous emission units, including 283-W Water Treatment Plant.

During 1999, Hanford Site facilities were evaluated for compliance with 40 Code of Federal Regulations (CFR), Part 68. Based on that sitewide evaluation, a determination was made that the 283-W Water Treatment Plant, which stores chlorine in excess of the regulatory threshold, was the only Hanford Site facility requiring a risk management plan (RMP). A RMP for the 283-W Water Treatment Facility was prepared and submitted by letter 99-EAP-339 on June 18, 1999. The required 5 year RMP renewal for the 283-W Water Treatment Plant was submitted on June 21, 2004 by letter 04-OES-0079. The 283-W Water Treatment Plant continues to be the only Hanford Site facility subject to the requirements of 40 CFR 68.

ATTACHMENT 2 REQUIREMENTS

AOP Attachment 2 contains terms and conditions issued by WDOH. Emission unit specific terms and conditions are contained in the AOP Tables 1.1, 1.2, 1.3, 2.1, and 2.2. Appendix B of this report provides the AOP emission unit specific terms and conditions, the compliance status during the reporting period, and the basis used to determine compliance status for these requirements.

ATTACHMENT 3 REQUIREMENTS

AOP Attachment 3 contains conditions issued by BCAA and apply on a sitewide basis. These two conditions are for asbestos and open burning. Appendix C lists the AOP sitewide conditions, the compliance status during the reporting period, and the basis used to determine compliance status.

CY2005 REPORT ADDENDUM

Additional information for the 2005 AOP annual report, DOE/RL-2006-03 *U.S. Department of Energy, Richland Operations Office, Air Operating Permit Annual Compliance Certification Report for the Period January 1, 2005 through December 31, 2005* is provided in appendix D of this report.

2.0 REFERENCES

- 40 CFR 61, Part 68, *Chemical Accident Prevention Provisions*, U.S. Government Printing Office, Washington, D.C.
- 40 CFR 61, Subpart H, *National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities*, U.S. Government Printing Office, Washington, D.C.
- 99-EAP-339, Letter from J. E. Rasmussen, DOE/RL, to RMP Reporting Center, "Final Risk Management Plan for the 283W Water Treatment Facility", dated June 18, 1999.
- Benton Clean Air Authority, *Regulation 1 of the Benton Clean Air Authority, Article 5 Outdoor Burning, Article 8 Asbestos*.
- DOE/RL-99-38, *Risk Management Program for the 283-W Water Treatment Facility*, U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-2006-04, *Hanford Site Air Operating Permit Semiannual Report for the Period January 1, 2006 through June 30, 2006*, U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-2007-01, *Radionuclide Air Emissions Report for the Hanford Site, Calendar Year 2006*, U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- DOE/RL-2007-03, *Hanford Site Air Operating Permit Semiannual Report for the Period July 1, 2006 through December 31, 2006*, U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- HNF-EP-0528, Rev.7, *NESHAP Quality Assurance Project Plan for Radioactive Air Emissions*, Fluor Hanford, Inc., Richland, Washington.
- HNF-EP-0835-12, *State of Work for Services Provided by the Waste Sampling and Characterization Facility for the Environmental Compliance Program during Calendar Year 2006*, Fluor Hanford, Inc., Richland, Washington.
- WAC 173-400, *General Regulations for Air Pollution Sources*, Washington Administrative Code, Olympia, Washington.
- WAC 173-401, *Operating Permit Regulation*, Washington Administrative Code, Olympia, Washington.
- WAC 173-460, *Controls for New Sources of Toxic Air Pollutants*, Washington Administrative Code, Olympia, Washington.
- WAC 246-247, *Radiation Protection-Air Emissions*, Washington Administrative Code, Olympia, Washington.

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APPENDIX A

ATTACHMENT 1 REQUIREMENTS

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N-1724K 001
Page in AOP: 1-053

Permit: 97NM-551 Issue Date: 01-29-98 Date In AOP: 07-02-01

NOC: Maintenance Shop Operation

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Particulate Matter (PM): For welding, use of a commercially available portable fume exhauster is required containing a two stage electrostatic precipitator (filter) that removes 98 percent of the particulates. For abrasive blasting, use of a commercially available ventilation system containing a cloth bag filtration system. For sawdust, use of a cyclone separator and bag filter prior to discharge to the atmosphere.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Startup inspection.</p> <p>Required Records: 1. Inspection records. 2. Work procedures.</p>	Continuous	<p>CDM: System walkdown verified equipment is in place, except that the arc welding equipment was never installed.</p> <p>Comment: The portable fume exhauster was never installed. Previous reports incorrectly cited compliance with this requirement. Welding has never been performed. Compliance to other requirements has been continuous.</p>
<p>Condition: Volatile Organic Compounds: Use of an activated charcoal filter is required. The filter shall be examined and replaced when it becomes loaded.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Filter maintenance inspections.</p> <p>Required Records: Maintenance records and schedules.</p>	Not Applicable	<p>CDM: Visual observation, paint booth no longer exists and was never used.</p> <p>Comment: Construction of the paint booth was not completed, including addition of an activated charcoal filter in the exhaust stream. The paint booth never operated.</p>

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Continuous	<p>CDM: Sources of fugitive emissions are: (1) abrasive blasting, (2) woodworking equipment, (3) benchtop grinding and sanding, and (4) benchtop soldering and brazing. Precautions (i.e., engineering controls) as described in the NOC are in place.</p> <p>Comment: The portable fume exhauster was never installed. Previous reports incorrectly cited compliance with this requirement. Welding has never been performed. Compliance to other requirements has been continuous.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: There are no sources of 'fugitive dust', e.g., unpaved roads, construction sites, and tilled land, associated with this facility.</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Continuous	<p>CDM: Permit terms are considered RACT. Complied with all NOC approval conditions for this emission point</p> <p>Comment: Note, paint booth construction never was completed to the extent required to allow operation, nor was the portable fume exhauster.</p>
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1.</p> <p>Required Records:</p>	Continuous	<p>CDM: Process knowledge. There are no processes within the facility generating emissions measured by opacity.</p> <p>Comment:</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>	Continuous	<p>CDM: Ecology determined this emission unit does not emit significant levels of SO₂. Process has not been modified to increase SO₂ emissions.</p> <p>Comment:</p>

P-296K142 001
Page in AOP: 1-065

Permit: 97NM-022 **Issue Date:** 03-07-97 **Date In AOP:** 07-02-01
NOC: Construction and Operation, Phase II

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Approval to construct and install process equipment.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: None.</p> <p>Required Records: None.</p>	Continuous	<p>CDM: Facility and systems constructed as described in the NOC, as verified by facility walkdown and review of records (i.e. MSA file 16.0.S.c.1) done during startup readiness review.</p> <p>Comment: Facility modifications are screened against existing permits to determine impacts. No modifications to CVDF have been made that have any impact on the work described in the NOC. In 2006 preliminary construction started on the Sludge Treatment Project which involves Bays 1 through 3. This work is CERCLA work and is under DOE/RL-2006-06, Rev. 0. Bays 4 and 5 are reserved to process the final MCOs when ready. None of the work in Bays 1 through 3 currently affects the emissions system and does not affect this NOC. This work has been screened against Criteria agreed to by WDOH that will not affect the current NOC. No duct tie ins have been made.</p>

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions or fugitive dust. During the reporting period, there was no construction or demolition work conducted on this NOC. In 2006 preliminary construction started on the Sludge Treatment Project which involves Bays 1 through 3. This work is CERCLA work and is under DOE/RL-2006-06, Rev. 0. Bays 4 and 5 are reserved to process the final MCOs when ready. None of the work in Bays 1 through 3 currently affects the emissions system and does not affect this NOC. This work has been screened against Criteria agreed to by WDOH that will not affect the current NOC. No duct tie ins have been made.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions or fugitive dust. During the reporting period, no construction or demolition work was conducted on this NOC. In 2006 preliminary construction started on the Sludge Treatment Project which involves Bays 1 through 3. This work is CERCLA work and is under DOE/RL-2006-06, Rev. 0. Bays 4 and 5 are reserved to process the final MCOs when ready. None of the work in Bays 1 through 3 currently affects the emissions system and does not affect this NOC. This work has been screened against Criteria agreed to by WDOH that will not affect the current NOC. No duct tie ins have been made.</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: There are no NOC approval conditions for this emission point.</p>
<p>Condition: 20% Opacity: Prohibits visible emissions</p>	Continuous	<p>CDM: Process knowledge. There are</p>

Requirement	Compliance Status	Compliance Determination Method
<p>exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:</p>		<p>no processes within the facility generating emissions measured by opacity.</p> <p>Comment:</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required. Required Records:</p>	Continuous	<p>CDM: Ecology determined this emission unit does not emit significant levels of SO₂. Process has not been modified to increase SO₂ emissions. There are no processes in CVDF emitting SO₂.</p> <p>Comment:</p>

200 Area Diffuse/Fugitive - Tank Farms
Page in AOP: 1-024

Permit: DE00NWP-001 Issue Date: 06-13-00 Date In AOP: 07-02-01

NOC: Installation and Operation of the Waste Retrieval System in Double-Shell Tanks

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Operation of the proposed boilers shall not exceed 720 hours per year per boiler, and be in accordance with good combustion practices (GCP) to minimize emissions, based on the manufacturer's recommendations, and require the use of fuel with a Sulfur content of 0.05% or less. Periodic preventive maintenance and combustion adjustments shall be made, as necessary, to maintain GCP, but at least annually.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Annually</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: 1. Operating logs showing all hours of operation. 2. GCP - Preventive maintenance and combustion adjustment records. 3. Records of vendor documentation or fuel analysis documenting procurements of diesel fuel with sulfur content of 0.05% or less once per year.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: The boiler for this project has been installed for 241-AN and 241-AZ tank farms. This boiler has not been made operational (a future requirement). No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: Tanks: A new Notice of Construction will be required, if total emissions of toxic air pollutants exceed the SQER, unless dispersion modeling demonstrates that emissions would continue to result in concentrations less than the ASILs. Results of any such dispersion modeling demonstrations/calculations will be maintained on file at the tank farms and made available upon request.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Analyze each proposed change to determine if emissions would exceed an SQER or ASIL.</p> <p>Required Records: Results of analyses.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: Tanks: Notification will be made ten (10) days prior to initiating waste retrieval operations in each tank covered by this order.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Copy of notification.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: An updated schedule of installation and operation activities will be made available upon request.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Copy of updated schedule.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: The data obtained in the course of monitoring worker exposure will be used by the Permittee as an administrative control measure to verify that VOC emissions do not exceed 500 parts per million (PPM). The 500 PPM level will be used as an indicator to facilitate field monitoring of potential VOC emissions, using the existing Industrial Hygiene equipment.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Organic Vapor Analyzers (OVAs) or similar instruments.</p> <p>EPA Test Method Frequency: At least once per year during mixer pump operations. If mixer pumps do not operate, no monitoring is required.</p> <p>Periodic Monitoring: VOC measurements from each stack.</p> <p>Required Records: VOC measurement.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: DST waste retrieval operations have not been initiated. No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: No visible emissions shall be allowed beyond the property line.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Boilers: See Section 2.1, Tier 1 Frequency: At least once per quarter Tanks: See Section 2.1, Tier 3.</p> <p>Required Records: Records of visible emissions or opacity reading.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: The boiler for this project has been installed for 241-AN and 241-AZ tank farms. This boiler has not been made operational (a future requirement). No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: Any modification to any equipment or operating procedures, contrary to information in the NOC application, shall be reported to Ecology at least sixty (60) days before such modification. Such modification may require a new, or amended, NOC Approval Order.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Applicable if triggered.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>

Permit: 00-05-006 Issue Date: 07-01-01 Date In AOP: 07-01-01

NOC: AOP Table 1.6 Non-combustion Fugitive Emission Units

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: Field interviews. Comment: This emission unit did not operate during the reporting period.
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: Field interviews. Comment: This emission unit did not operate during the reporting period.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: Field interviews. Permit terms are considered RACT. Comment: This emission unit did not operate during the reporting period.
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2, unless an alternative SO ₂ emission limit is identified in Table 1.6 below. Required Records: As specified in Section 2.7.	Not Applicable	CDM: Field interviews. Comment: This emission unit did not operate during the reporting period.

P-296P033-001 & P-296P034-001

Page in AOP: 1-066

Permit: DE98NWP-005 Issue Date: 09-03-98 Date In AOP: 07-02-01

NOC: Rotary Mode Core Sampling Systems

Requirement	Compliance Status	Compliance Determination Method
Condition: The permittee shall conduct a vapor composition analysis for each tank to be core-sampled. The emissions estimates, monitoring and exhauster operation will be conducted as described by the NOC application. Model ID: 10A & 10B. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping and emission calculations. Required Records: 1. Calculations. 2. TWINS data.	Not Applicable	CDM: Field interviews. Comment: No activities were conducted requiring the use of the NOC during the reporting period.
Condition: Emissions of volatile organic compounds (VOCs) on a daily average at the stack, shall not exceed the WAC 173-400-110 NSR thresholds. Model ID: 10C. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping and emission calculations. Required Records: 1. TWINS data. 2. Calculations. 3. Operating log.	Not Applicable	CDM: Field interviews. Comment: No activities were conducted requiring the use of the NOC during the reporting period.

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: Field interviews. Permit terms are considered RACT.</p> <p>Comment: This emission unit did not operate during the reporting period.</p>
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: This emission unit did not operate during the reporting period.</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: Ecology has determined that this emission unit does not emit significant levels of SO₂. The process has not been modified to increase SO₂ emissions.</p> <p>Comment: This emission unit did not operate during the reporting period.</p>

W-PORTEX 020, 024, and 025
Page in AOP: 1-079

Permit: DE98NWP-006 Issue Date: 10-26-98 Date In AOP: 07-02-01

NOC: Portable Exhauster Use On Single Shell (SST) Tanks During Saltwell Pumping, Rev 2

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: The portable exhausters and other operations associated with salt well pumping activities will be permitted without additional control technology controls provided that the total emissions from all activities will not result in exceedance of WAC 173-460 ASILs and the proposed ASIL values for N-Nitrosomorpholine and nonchlorinated furans.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Analyze total emissions to determine if an ASIL will be exceeded. Frequency: Annually.</p> <p>Required Records: Results of analyses.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: A new NOC will be required if total emissions of toxic air pollutants (from the saltwell portable exhauster) exceed the Small Quantity Emission Rates, unless dispersion modeling demonstrates that emissions would continue to result in concentrations less than the ASILs. Results of any such dispersion modeling demonstrations/calculations will be maintained on file at the tank farms and made available upon inspections.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Analyze total emissions to determine if a SQER will be exceeded. Frequency: Not applicable (conservative worst case calculations were performed in the original NOC application).</p> <p>Required Records: Results of analyses.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: Notification will made one week prior to initial start-up of activities covered by this order.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Notification documentation.</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: An updated schedule of salt-well pumping activities will be available upon request. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping. Required Records: Up-to-date schedule of salt-well pumping activities.	Not Applicable	CDM: Field interviews. Comment: No activities were conducted requiring the use of the NOC during the reporting period.
Condition: VOCs are not to exceed 50 ppm carbon. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: No stack sampling is required. Instruments used to detect fugitive organic emissions are part of Hanford's Industrial Hygiene worker monitoring program will be used to monitor for VOCs a minimum of 3 times: once before exhauster operation begins, once during exhauster operation, and once after exhauster operation is completed. Required Records: Records of VOC sample results.	Not Applicable	CDM: Field interviews. Comment: No activities were conducted requiring the use of the NOC during the reporting period.
Condition: Visible Emissions - No visible emissions shall be allowed beyond the property line as determined by opacity readings when warranted. Model ID: Not applicable. EPA Test Method: Ecology Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.1, Tier 3. Required Records:	Not Applicable	CDM: N/A Comment: No activities were conducted requiring the use of the NOC during the reporting period.
Condition: Any modification to any equipment or operating procedures, contrary to information in the NOC application, shall be reported to Ecology at least 60 days before such modification. Such modification may require a new or amended NOC approval Order. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Not Applicable	CDM: Field interviews. Comment: No activities were conducted requiring the use of the NOC during the reporting period.

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: AOP Table 1.6 Non-combustion Emission Units Opacity Requirements

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: Field interviews. Permit terms are considered RACT. Comment: This emission unit did not operate during the reporting period.
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Not Applicable	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: This emission unit did not operate during the reporting period.

C-106 Sluicing
Page in AOP: 1-027

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: Field interviews and NOC revision form for modification of NRA. Permit terms are considered RACT.</p> <p>Comment: This emission unit did not operate during the reporting period.</p>
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: This emission unit did not operate during the reporting period.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: Ecology has determined that this emission unit does not emit significant levels of SO₂. The process has not been modified to increase SO₂ emissions.</p> <p>Comment: This emission unit did not operate during the reporting period.</p>

Permit: NRA **Issue Date:** 02-24-03 **Date In AOP:** 04-11-05

NOC: 241-C-106 Tank Sluicing, Phase II

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: VOC 500 ppm.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Hanford's IH monitoring program.</p> <p>EPA Test Method Frequency: VOC monitoring as part of the routine industrial hygiene sampling program during and after the sluicing operation.</p> <p>Periodic Monitoring: Instruments used to detect fugitive organic emissions as part of Hanford's Industrial Hygiene (IH) worker monitoring program will be used to monitor for VOCs during sluicing pump operations.</p> <p>Required Records: Records of VOC sample results.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>
<p>Condition: Sluicing operations may be conducted for up to 1800 hours per calendar year. Actions shall be taken prior to reaching 50 ppm to limit any excursions above that level. VOC readings may peak at the re-start of sluicing operations but then are expected to stabilize. A sluicing pump operations log shall show hours of operation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Operations log showing all hours of sluicing pump operation.</p>	Not Applicable	<p>CDM: Field interviews.</p> <p>Comment: No activities were conducted requiring the use of the NOC during the reporting period.</p>

Concrete Batch Plant
Page in AOP: 1-028

Permit: 00-05-006 Issue Date: 09-24-02 Date In AOP: 03-31-04

NOC: WTP Concrete Batch Plant - General Conditions

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.7, Tier 1.</p> <p>Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year.</p> <p>Required Records:</p>	Continuous	<p>CDM: Record keeping.</p> <p>Comment:</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment:</p>

Permit: DE01NWP-003, Rev. 0 Issue Date: 09-24-02 Date In AOP: 03-31-04

NOC: Revision to Concrete Batch Plant NOC

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Total Emission Limits A. Particulate Matter - Particulates from the bag-house exhaust shall not exceed 0.01 grains per dry standard cubic foot, with no visible emissions. Engineering calculations or vendor information that the bag-house, when properly operated and maintained, will control emissions to less than 0.01 grains per dry standard cubic foot will be available at the facility. Periodic measurements shall consist of visible emission inspections per EPA Reference Method 22, Title 40 Part 60, Appendix A, July 1, 2000. B. Fugitive Dust - Visible emissions from the sand and aggregate transfer points, truck loading station, the piles, or any other source shall not be allowed beyond 100 yards.</p> <p>Model ID: Not applicable. EPA Test Method: B. EPA Method 22, Title 40 Part 60, App.A, July 1, 2000. EPA Test Method Frequency: Not applicable. Periodic Monitoring: A. Recordkeeping Required Records: A. Calculations, vendor information, baghouse maintenance logs, surveillance checklists. B. Visible emission survey results.</p>	Continuous	<p>CDM: Record keeping and field observations. Comment:</p>
<p>Condition: Fugitive Dust All unpaved areas at the CBP and quarry will be controlled by watering or chemical stabilization, or both. Means of chemical stabilization include the application of petroleum resins (EPA 1998). A water spray additive, (such as, "soil cement") will also be considered for application on unpaved roads. Soil cement has been previously used on the Hanford Site with effective results. Vehicle speed limit signs will be posted to control speeds. Paved roads between the quarry and CBP will be kept clear of heavy accumulations of dust and debris. Front-end loaders will be used to pick up any significant spill of sand or aggregate material on the paved roads between the quarry and CBP. The sand and aggregate stockpiles will be kept sprinkled with water to prevent the movement of materials that may migrate because of wind erosion. Transfer points at conveyors, crushers, and screens will also be sprayed with water.</p> <p>Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping Required Records: Surveillance checklists.</p>	Continuous	<p>CDM: Record keeping and field observations. Comment:</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Emission Control Monitors Emission equipment control monitors shall include but not be limited to the following: A. Bag-house - None required if there are no visible emissions per section 1.A. of the APPROVAL CONDITIONS, and maintenance records indicate proper maintenance practices and schedules.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping</p> <p>Required Records: Surveillance checklists, baghouse maintenance logs.</p>	Continuous	<p>CDM: Record keeping and field observations.</p> <p>Comment:</p>
<p>Condition: General Conditions A. Visible Emissions: No visible emissions shall be allowed beyond 100 yards of source. During periods of high winds, an assessment shall be made to suspend operations or initiate a more comprehensive plant watering scheme.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Visible Emission Surveys.</p> <p>Required Records: Results of visible emission surveys.</p>	Continuous	<p>CDM: Record keeping and field observations.</p> <p>Comment:</p>

E-225BC 001
Page in AOP: 1-021

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated. Required Records:	Continuous	CDM: Visible emission surveys conducted once per calendar quarter when operated. No visible emissions observed. Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.7, Tier 1. Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year. Required Records:	Continuous	CDM: Vendor documentation verifies fuel oil delivered contained <0.5%. Comment:
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: Permit terms are considered RACT.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions or fugitive dust.

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions or fugitive dust.

E-225BG 001
Page in AOP: 1-021

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated. Required Records:	Continuous	CDM: Visible emission surveys conducted once per calendar year when operated. No visible emissions observed. Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.7, Tier 1. Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year. Required Records:	Continuous	CDM: Sample verified fuel oil in the tank contained <0.5%. Comment:
Condition: Reasonably available control technology	Not	CDM: N/A

Requirement	Compliance Status	Compliance Determination Method
(RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Applicable	Comment: Permit terms considered RACT.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions or fugitive dust.
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions or fugitive dust.

E-282ED 001
Page in AOP: 1-032

Permit: NWP-96-1 Issue Date: 04-30-96 Date In AOP: 07-02-01

NOC: Diesel Powered Emergency Fire Pump Generator

Requirement	Compliance Status	Compliance Determination Method
Condition: Engine E shall operate no more than 350 hours per year. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping. Required Records: Maintain records showing all hours of operation.	Continuous	CDM: Recordkeeping. Comment: Log shows engine operated no more than 350 hours.
Condition: Engine E shall burn only No. 2 fuel oil with sulfur content no more than 0.05 weight percent. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping and/or emission calculations. Required Records: Vendor documentation or fuel analysis once per fuel shipment showing <0.05 wt.% sulfur	Continuous	CDM: Vendor documentation shows fuel oil delivered contained no more than 0.05 weight percent sulfur. Comment:
Condition: NOx 75.5 pounds per hour NOx. Model ID: 2B. EPA Test Method: EPA Method 7A of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping & average fuel consumption rate determination shall be performed at least once per 12 months. Required Records: 1. Monthly fuel burned (based on annual fuel consumption record.) 2. Hours of operation logged.	Continuous	CDM: Calculation shows average fuel consumption is below manufacturer's specification. Comment:
Condition: Opacity 10 %. Model ID: Not applicable. EPA Test Method: EPA Method 9 of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.1, Tier 1. Frequency: At least once per quarter. Required Records: Results of visible emissions survey or records of visual determination of the opacity	Continuous	CDM: EPA Method 9 opacity surveys conducted. Comment: Visible emissions are also in compliance using Ecology Method 9A.

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: Combustion Unit with Opacity Limit Less Than 20%

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures. These requirements do not apply to emissions that pass through a stack, chimney, vent, or other functionally equivalent opening.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures. These requirements do not apply to emissions that pass through a stack, chimney, vent, or other functionally equivalent opening.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Continuous	<p>CDM: Permit terms are considered RACT. Complied with all NOC approval conditions for this emission point.</p> <p>Comment:</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. Vendor documentation or fuel analysis once per year.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.7, Tier 1.</p> <p>Required Records: 1. Amount and type of fuel burned. 2. Vendor documentation or fuel analysis once per year.</p> <p>Required Records:</p>	Continuous	<p>CDM: Vendor documentation verifies that fuel oil delivered contained < 0.5% S. Model 1 shows that diesel engines 2200 Hp or less can not exceed the 1000 ppm SO₂ standard when using fuel with S concentration < 0.5%.</p> <p>Comment:</p>

P-2025E ETF
Page in AOP: 1-054

Permit: 96NW-1-301 Issue Date: 10-16-96 Date In AOP: 07-02-01
NOC: Modification, Rev 1

Requirement	Compliance Status	Compliance Determination Method
Condition: Any addition of waste streams that do not meet the new source review exemption in WAC 173-460-040(2)(c) or that have previously unidentified constituents to the facility requires prior review and approval by the Department of Ecology. Model ID: 7C. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Analyze each waste stream to determine if emissions would exceed an SQER or ASIL. Required Records: Results of analysis.	Continuous	CDM: Review of constituents of new waste streams. Comment: Before receipt, each new waste stream is reviewed to determine if processing the new stream would exceed SQE or ASIL levels. Results of the review are placed in the operating record.

Permit: NOC-93-3 Issue Date: 12-20-93 Date In AOP: 07-02-01
NOC: Construction and Operation, Rev 0

Requirement	Compliance Status	Compliance Determination Method
Condition: Energy shall notify the department in writing at least 45 days before start-up of any emission unit subject to this approval which could cause release of any air pollutants to the atmosphere. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Not Applicable	CDM: N/A. No startup of such units have occurred this reporting period. Comment:
Condition: Energy shall not make any changes to the proposed air emission control system which may result in an increase; or change the types of air emissions without first notifying the department. Based on the notification, the department will make a determination whether a new approval or a modification of this final approval is required. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Continuous	CDM: Review of facility design change documents and new waste streams as specified in administrative procedures. Comment: Facility design changes and new stream receipts require documentation that includes environmental reviews which determine if the actions would affect emission controls or change the types of emissions.

Requirement	Compliance Status	Compliance Determination Method
Condition: Opacity at each stack 5%. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.1, Tier 3. Required Records: As required in Attachment 2, Section 4.	Continuous	CDM: As-built drawings and facility walkdowns. Comment: LERF/ETF maintains abatement control technology (stack HEPA filtration).

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: AOP Table 1.6 Non-combustion Emission Units Opacity Requirements

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: Review of operating procedures and maintenance job control documentation. No construction or demolition activities occurred during this reporting period. Comment: Documentation of operating, construction and maintenance activities are reviewed for industrial safety and environmental concerns, including fugitive emissions.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: Review of maintenance job control documentation. No activities requiring dust control were performed during this reporting period. Comment: Documentation of construction and maintenance activities are reviewed for industrial safety and environmental concerns, including airborne dust control.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: See compliance method for each requirement. Comment:

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>	Continuous	<p>CDM: Review of constituents of new waste streams.</p> <p>Comment: LERF/ETF does not emit SO₂ in its current configuration. New waste feeds are reviewed to determine if processing the new stream would affect emissions.</p>

P-244CR-001
Page in AOP: 1-022

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period and was closed in 2006.</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: There are no permit terms for this emission unit. This emission unit did not operate during the reporting period and was closed in 2006.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Not Applicable	CDM: N/A Comment: This emission unit did not operate during the reporting period and was closed in 2006.
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Not Applicable	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: This emission unit did not operate during the reporting period and was closed in 2006.

P-296A042-001
Page in AOP: 1-064

Permit: NOC 94-07-01 **Issue Date:** 12-22-97 **Date In AOP:** 07-02-01

NOC: AY and AZ Tank Farms Ventilation Upgrades

Requirement	Compliance Status	Compliance Determination Method
Condition: VOC max emission limit, 50 ppm, measured as Total Organic Carbon. Model ID: 4A. EPA Test Method: EPA Method 25A or approved alternative. EPA Test Method Frequency: Annually. Periodic Monitoring: Recordkeeping and emission calculations. Required Records: Organic vapor sampling data.	Continuous	CDM: Field interviews. Comment: Annual sampling was due to be collected in August 2006. Sampling was delayed until October, after onsite calibration gas were inadvertently shipped back to the supplier just prior to the original sampling date, and a delay in delivery of replacement calibration gases.

Permit: NOC 94-07 **Issue Date:** 08-29-94 **Date In AOP:** 07-02-01

NOC: AY and AZ Tank Farms Ventilation Upgrades

Requirement	Compliance Status	Compliance Determination Method
Condition: Ammonia, 0.05 lbs/hr. Model ID: 5. EPA Test Method: Field instruments, which may include Draeger Tubes. EPA Test Method Frequency: Annually. Periodic Monitoring: Recordkeeping and emission calculations. Required Records: 1. Stack flow measurements. 2. Record field instrument or Draeger Tube ammonia concentrations.	Continuous	CDM: Field interviews. Comment: None
Condition: Opacity, 5%. Model ID: Not applicable. EPA Test Method: EPA Method 9 of 40 CFR Part 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.1, Tier 3. Required Records: As required in Attachment 2, Section 4.2.	Continuous	CDM: Abatement control technology was maintained as required in AOP Attachment 2, Revision H page 122 and 138. Comment: None

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: AOP Table 1.6 Non-combustion Emission Units Opacity Requirements

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: Field interviews. Permit terms are considered RACT. Comment: None
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Not Applicable	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: None

P-296AN-001
Page in AOP: 1-022

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: There are no permit terms for this emission unit.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Continuous	CDM: Abatement control technology was maintained as required in AOP Attachment 2, Revision H page 319. Comment: None

Requirement	Compliance Status	Compliance Determination Method
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Continuous	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: None

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Page in AOP: 1-022

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).

Requirement	Compliance Status	Compliance Determination Method
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: There are no permit terms for this emission unit.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Continuous	CDM: Abatement control technology was maintained as required in AOP Attachment 2, Revision H page 283. Comment: None
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Continuous	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: None

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Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: There are no permit terms for this emission unit.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Continuous	CDM: Abatement control technology was maintained as required in AOP Attachment 2, page 2-102. Comment: None

Requirement	Compliance Status	Compliance Determination Method
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Continuous	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: None

P-WTP-001
Page in AOP: 1-071

Permit: DE02NWP-002 Amendment 1 and 2 **Issue Date:** 11-24-03/11-10-05 **Date In AOP:** 05-28-04
NOC: Hanford Tank Waste Treatment and Immobilization Plant

Requirement	Compliance Status	Compliance Determination Method
Condition: Emissions Control: 1.1 Opacity from each exhaust stack from process facilities (Pretreatment, HLW and LAW) shall not exceed 5%, other facility stacks shall not exceed 10%, over a 6 minute average as measured by EPA Reference Method 9, or an equivalent method approved in advance by Ecology. A certified opacity reader shall read and record the opacity concurrent with any source testing. Model ID: Not applicable. EPA Test Method: EPA Reference Method 9. EPA Test Method Frequency: At least once per calendar quarter. Periodic Monitoring: For Pretreatment, HLW and LAW See Section 2.1, Tier 3. Required Records: Test Records.	Not Applicable	CDM: N/A Comment: Facilities were under construction during the reporting period; therefore, this condition did not apply.
Condition: Emissions Control: 1.1 Opacity from each exhaust stack from process facilities (Pretreatment, HLW and LAW) shall not exceed 5%, other facility stacks shall not exceed 10%, over a 6 minute average as measured by EPA Reference Method 9, or an equivalent method approved in advance by Ecology. A certified opacity reader shall read and record the opacity concurrent with any source testing. Model ID: Not applicable. EPA Test Method: EPA Reference Method 9. EPA Test Method Frequency: At least once per calendar quarter.	Not Applicable	CDM: N/A Comment: Boilers, generators, and fire pumps had not commenced startup activities during the reporting period; therefore this condition did not apply.

Requirement	Compliance Status	Compliance Determination Method
Periodic Monitoring: For Boilers, generators and fire pumps: See Section 2.1, Tier 1. Required Records: Test Records.		
Condition: Emissions Control: 1.1 Opacity from each exhaust stack from process facilities (Pretreatment, HLW and LAW) shall not exceed 5%, other facility stacks shall not exceed 10%, over a 6 minute average as measured by EPA Reference Method 9, or an equivalent method approved in advance by Ecology. A certified opacity reader shall read and record the opacity concurrent with any source testing. Model ID: Not applicable. EPA Test Method: EPA Reference Method 9. EPA Test Method Frequency: At least once per calendar quarter. Periodic Monitoring: For other facility stacks: See Section 2.1, Tier 3. Required Records: Test Records.	Not Applicable	CDM: N/A Comment: Boilers, generators, and fire pumps had not commenced startup activities during the reporting period; therefore this condition did not apply.
Condition: Emissions Control: 1.2 All boilers, generators and the diesel fire pump shall be fired on Ultra-Low Sulfur Fuel (ULSF), ULSF means natural gas, propane, or fuel oil with a sulfur content of 0.0030 % or less. Compliance shall be monitored by maintaining and submitting records of fuel purchases. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Annually. Periodic Monitoring: Recordkeeping. Required Records: Records of monthly fuel purchases and use and an annual certification, from the fuel distributor, stating the sulfur content of the fuel that was supplied.	Not Applicable	CDM: N/A Comment: Boilers, generators, and fire pumps had not commenced startup activities during the reporting period; therefore this condition did not apply.
Condition: Emissions Control: 1.3 The operation of the six steam generating boilers shall not exceed an annual aggregate fuel consumption limit of 13,400,000 gallons per year summed daily for the previous 365 days. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Daily. Periodic Monitoring: Recordkeeping. Required Records: Maintain fuel purchase records.	Not Applicable	CDM: N/A Comment: Boilers, generators, and fire pumps had not commenced startup activities during the reporting period; therefore this condition did not apply.

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Emissions Control: 1.4 Each of the three emergency generators shall not operate for more than 164 hours per year on a 12 month rolling summation calculated once per month. Compliance shall be monitored by installing and operating non-resettable totalizers on each generator.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Monthly.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Records showing all hours of operation.</p>	<p>Not Applicable</p>	<p>CDM: N/A</p> <p>Comment: Generators had not commenced startup activities during the reporting period; therefore this condition did not apply.</p>
<p>Condition: Emissions Control: 1.5 Each of the two diesel fire pumps shall not operate for more than 110 hours per year on a 12 month rolling summation calculated once per month. Compliance shall be monitored by installing and operating a non-resettable totalizer on the fire pump.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Monthly.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Records showing all hours of operation.</p>	<p>Not Applicable</p>	<p>CDM: N/A</p> <p>Comment: Fire pumps had not commenced startup activities during the reporting period; therefore this condition did not apply.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Total Emission Limits: 2.2 A new NOC will be required, if total emissions of toxic air pollutants exceed the values specified in the tables in Attachment 1 of this approval order. These values shall be confirmed by emission calculations, for indicator constituents, derived from waste characterization data obtained through implementation of the Ecology approved Regulatory Data Objectives Supporting Tank Waste Remediation System Privatization Project (PNNL-12040). The mass feed rates for the indicator constituents will be verified to be less than or equal to the mass feed rates used in the Integrated Emissions Baseline Report for the Hanford Tank Waste Treatment and Immobilization Plant (24590-WTP-RPT, PO-03-008, Rev 0). Results of any such calculations will be maintained on file and made available upon inspection/request.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: At least once per calendar year.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: 1. Calculations of TAPs emissions derived from waste feed characterization. 2. Calculations of ammonia emissions from LAW and HLW.</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Facilities were under construction during the reporting period; therefore, this condition did not apply.</p>
<p>Condition: General Testing Requirements: 3.1 Within 180 days of achieving the optimized feed rate of simulant at which the LAW and HLW vitrification facilities will be operated, the permittee shall demonstrate initial compliance through a performance demonstration conducted per an Ecology approved Performance Demonstration Plan. The permittee shall utilize the Performance Demonstration Plan requirements identified in the Dangerous Waste Portion of the Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste Hanford Waste Treatment and Immobilization Plant (DWP), condition III.10.H.5.f (LAW) and III.10.J.5.f (HLW). Ecology shall be notified at least 30 days prior to the test and invited to participate in the test activities at least one week prior to testing.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: 1. Performance Demonstration Plan. 2. Notification Documentation.</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Facilities were under construction during the reporting period; therefore, this condition did not apply.</p>
<p>Condition: General Testing Requirements: 3.2 Testing per the initial compliance testing identified in 3.1 shall be conducted in accordance with the frequency identified in the DWP, conditions III.10.I.1.h (LAW)</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Facilities were under construction during the reporting period; therefore, this condition did</p>

Requirement	Compliance Status	Compliance Determination Method
<p>and III.10.K.1.h (HLW). Model ID: Not applicable. EPA Test Method: As stated in condition. EPA Test Method Frequency: At startup and at least once every 5 years thereafter. Periodic Monitoring: Recordkeeping, measurements, and emission calculations. Required Records: Test Records.</p>		not apply.
<p>Condition: General Testing Requirements: 3.5 General Testing Requirements: Within 180 days of initial startup, boiler source testing shall be conducted according to the following methods, unless an alternate method has been proposed in writing by the permittee and approved by Ecology in writing in advance of the testing. 3.5.1 Carbon Monoxide - EPA Reference Method 10, 40 CFR 60, Appendix A, 7/1/00 3.5.4 Volatile Organic Compounds (VOC) - EPA Reference Method: 3.5.5 Sulfur Dioxide - EPA Reference Method 6C, 40 CFR 60, Appendix A, 7/1/00. Model ID: Not applicable. EPA Test Method: As stated in condition. EPA Test Method Frequency: Initial startup. Periodic Monitoring: Recordkeeping, measurements, and emission calculations. Required Records: Test Records.</p>	Not Applicable	<p>CDM: N/A Comment: Boilers had not commenced startup activities during the reporting period; therefore, this condition did not apply.</p>
<p>Condition: Emission Control Monitors: 4. Emissions from boilers and generators shall be monitored for CO, and Oxygen by means of a portable emissions analyzer (direct-reading measurement device) at initial startup and after routinely scheduled maintenance activities and burner/control adjustments such as fuel/air metering ratio control and oxygen trim control. Model ID: Not applicable. EPA Test Method: Portable emissions analyzer calibrated during most recent source test. EPA Test Method Frequency: Initial startup and after routinely scheduled maintenance activities. Periodic Monitoring: Recordkeeping, measurements, and emission calculations. Required Records: 1. Portable emissions analyzer records. 2. Logs of boiler tune-ups and significant boiler maintenance activities.</p>	Not Applicable	<p>CDM: N/A Comment: Boilers and generators had not commenced startup activities during the reporting period; therefore, this condition did not apply.</p>

Permit: 00-05-006 **Issue Date:** 07-01-01 **Date In AOP:** 07-01-01

NOC: AOP Table 1.6 Non-combustion Fugitive Emission Units

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: Recordkeeping. Comment:
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: Recordkeeping. Comment:
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2, unless an alternative SO ₂ emission limit is identified in Table 1.6 below. Required Records: As specified in Section 2.7.	Not Applicable	CDM: N/A Comment: Facilities were either under construction or had not commenced startup activities during the reporting period; therefore, this condition did not apply. All other combustion sources were considered insignificant emission units.

283-W
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Permit: 00-05-006 & Significant Mod (8/9/02) Issue Date: 07-02-01 Date In AOP: 07-01-02

NOC: AOP Table 1.7 Miscellaneous - 283-W Water Treatment Plant

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: WAC 173-400-040(3)(a) Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures. These requirements do not apply to emissions that pass through a stack, chimney, vent, or other functionally equivalent opening.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: No construction on chlorine storage area during reporting period.</p>
<p>Condition: WAC 173-400-040(8)(a): Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures. These requirements do not apply to emissions that pass through a stack, chimney, vent, or other functionally equivalent opening.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: No construction on chlorine storage area during reporting period.</p>
<p>Condition: WAC 173-400-040 1st para: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: There are no NOC approval conditions for this emission point.</p>
<p>Condition: WAC 173-400-040(6): Monitor per AOP Attachment 1, Section 2.7, Tier 2.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: The process has not been modified to increase SO2 emissions.</p> <p>Required Records:</p>	Continuous	<p>CDM: Ecology has determined that this emission unit does not emit significant levels of SO2. The process has not been modified to increase SO2 emissions.</p> <p>Comment:</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: 40 CFR 68.190(b)(3): Evaluate 283-W for compliance with newly regulated substances above the threshold (revise Risk Management Plan if needed). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Not Applicable	CDM: N/A. Comment: No newly regulated substances.
Condition: 40 CFR 68.190(b)(7): Evaluate 283-W for change in program level within 6 months after any change. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Not Applicable	CDM: N/A. Comment: No change causing a change in program level.
Condition: 40 CFR 68.190(c): Evaluate 283-W for applicability of 40 CFR 68. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Not Applicable	CDM: N/A. Comment: Requirement is for stationary sources no longer subject to 40 CFR 68. 283-W Facility is still subject to 40 CFR 68.
Condition: 40 CFR 68.190(b)(6): Evaluate 283-W for change that requires a revised consequence analysis. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Not Applicable	CDM: N/A. Comment: No change completed within 6 months of the reporting period.
Condition: 40 CFR 68.95(a): Confirm that the required emergency response program has been developed and implemented. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Continuous	CDM: DOE/RL-99-38, "Risk Management Program for the 283-W Water Treatment Facility"; HNF-IP-0263-283W, "Building Emergency Plan for 283-W"; HNF-RD-7647, "Emergency Preparedness Program Requirements"; DOE/RL-94-02, "Hanford Emergency Management Plan"; DOE-0223, "RL Emergency Implementing Procedures"; and HNF-PRO-15333, "Environmental Protection Processes". Comment:

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 40 CFR 68.95(a)(4): Confirm that the required procedures are in place to review and update the emergency response plan to reflect changes at the stationery source.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Not applicable.</p> <p>Required Records:</p>	Continuous	<p>CDM: HNF-RD-7647, "Emergency Preparedness Program Requirements" and HNF-IP-0263-283W, "Building Emergency Plan for 283-W".</p> <p>Comment:</p>
<p>Condition: 40 CFR 68.12(b)(3): Confirm that emergency response actions have been coordinated with local emergency planning and response agencies.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Not Applicable.</p> <p>Required Records:</p>	Continuous	<p>CDM: DOE/RL-94-02, "Hanford Emergency Management Plan".</p> <p>Comment:</p>
<p>Condition: 40 CFR 68.39(a) to (e): Confirm that records are being maintained for the offsite consequence analysis.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Not applicable.</p> <p>Required Records:</p>	Continuous	<p>CDM: Records verification. Refer to DOE/RL-99-38, "Risk Management Program for the 283-W Water Treatment Facility".</p> <p>Comment:</p>
<p>Condition: WAC 173-400-040(1): Permittee is considered to be in compliance if no complaints are forwarded to or generated by Ecology.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Not applicable.</p> <p>Required Records:</p>	Continuous	<p>CDM: No complaints forwarded to or generated by Ecology as specified in the AOP Attachment 1, Table 1.7, during the reporting period.</p> <p>Comment: This is based on the fact DOE received no complaints from Ecology.</p>

296-S-15
Page in AOP: 1-022

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: There are no permit terms for this emission unit. This emission unit did not operate during the reporting period.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Not Applicable	CDM: Abatement control technology was maintained as required in AOP Attachment 2, Revision H page 87 and 296. Comment: This emission unit did not operate during the reporting period.

Requirement	Compliance Status	Compliance Determination Method
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Not Applicable	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: This emission unit did not operate during the reporting period.

E-282WD 001
Page in AOP: 1-034

Permit: NWP-96-1 Issue Date: 04-30-96 Date In AOP: 07-02-01

NOC: Diesel Powered Emergency Fire Pump Generator

Requirement	Compliance Status	Compliance Determination Method
Condition: Engine W shall operate no more than 350 hours per year. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping. Required Records: Maintain records showing all hours of operation.	Continuous	CDM: Recordkeeping. Comment: Log shows engine operated no more than 350 hours.
Condition: Engine W shall burn only No. 2 fuel oil with sulfur content no more than 0.05 weight percent. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping and/or emission calculations. Required Records: Vendor documentation or fuel analysis once per fuel shipment showing <0.05 wt.% sulfur.	Continuous	CDM: Vendor documentation shows fuel oil delivered contained no more than 0.05% weight percent sulfur. Comment:

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: NO_x 42 pounds per hour.</p> <p>Model ID: 2B.</p> <p>EPA Test Method: EPA Method 7A of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping & average fuel consumption rate determination shall be performed at least once per 12 months.</p> <p>Required Records: 1. Monthly fuel burned (based on annual fuel consumption record.) 2. Hours of operation logged.</p>	Continuous	<p>CDM: Calculation shows average fuel consumption is below manufacturer's specification.</p> <p>Comment:</p>
<p>Condition: 10 % Opacity.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9 of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.1, Tier 1 Frequency: At least once per quarter.</p> <p>Required Records: Results of visible emission survey or records of visual determination of the opacity.</p>	Continuous	<p>CDM: EPA Method 9 Opacity surveys were conducted.</p> <p>Comment: Visible emissions are also in compliance using Ecology Method 9A.</p>

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Combustion Unit with Opacity Limit Less Than 20%

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures. These requirements do not apply to emissions that pass through a stack, chimney, vent, or other functionally equivalent opening.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures. These requirements do not apply to emissions that pass through a stack, chimney, vent, or other functionally equivalent opening.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A.</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Continuous	<p>CDM: Permit terms are considered RACT. Complied with all NOC approval conditions for this emission point.</p> <p>Comment:</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. Vendor documentation or fuel analysis once per year.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.7, Tier 1.</p> <p>Required Records: 1. Amount and type of fuel burned. 2. Vendor documentation or fuel analysis once per year.</p> <p>Required Records:</p>	Continuous	<p>CDM: Vendor documentation verifies that fuel oil delivered contained < 0.5% S. Model 1 shows that diesel engines 2200 Hp or less can not exceed the 1000 ppm SO₂ standard when using fuel with S concentration < 0.5%.</p> <p>Comment:</p>

J-CWC 001
Page in AOP: 1-030

Permit: DE00NWP-002 Issue Date: 06-30-00 Date In AOP: 07-02-01

NOC: Central Waste Complex

Requirement	Compliance Status	Compliance Determination Method
Condition: No visible emissions shall be allowed beyond the property line. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Operator observations per Section 2.1, Tier 1. Frequency: At least annually. Required Records: Operating log.	Continuous	CDM: Annual walkdown Comment:
Condition: Any modification to any equipment or operating procedures, contrary to information in the NOC application, shall be reported to Ecology at least sixty (60) days before such modification. Such modification may require a new, or amended, NOC approval Order. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping Frequency: sixty (60) days before any modification. Required Records: Records of any equipment or procedure modifications.	Not Applicable	CDM: N/A Comment: No modifications have been made.
Condition: A new/modified NOC will be required, if total emissions of toxic air pollutants exceed the Small Quantity Emission Rates, unless dispersion modeling demonstrates that emissions would continue to result in concentrations less than the ASILs. Results of any such modeling demonstrations/calculations will be on file at the facility and made available upon inspection. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Analyze total emissions to determine if an ASIL will be exceeded. Frequency: Not applicable (conservative worst case calculations were performed in the original NOC application). Required Records: Results of analyses.	Not Applicable	CDM: N/A Comment: not required during reporting period

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: An annual assessment of SWITS shall be conducted to document compliance that no monitoring and/or sampling systems are needed. This assessment will be reported annually beginning as part of the Calendar Year 1999 nonradioactive inventory of airborne emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Annually.</p> <p>Periodic Monitoring: Conduct an assessment of SWITS data and publish results. Frequency: Annually.</p> <p>Required Records: Analysis of SWITS data.</p>	Continuous	<p>CDM: Annual compliance evaluation</p> <p>Comment:</p>

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: AOP Non-combustion Unit with Opacity Requirement in AOP Table 1.6

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Continuous	<p>CDM:</p> <p>Comment: Containers are not opened at the CWC during normal operations. Activities involving soil disturbance utilize dust suppression, as necessary.</p>
<p>Condition: 1000 ppm SO₂ at 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>	Continuous	<p>CDM:</p> <p>Comment: The process has not been modified to increase SO₂ emissions.</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: Comment: Activities involving soil disturbance utilize dust suppression, as necessary.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Comment: Permit terms considered RACT.

P-241U107-001, P-241S102-001, P-241S112-001
Page in AOP: 1-056

Permit: DE03NWP-001 **Issue Date:** 03-12-03 **Date In AOP:** 03-31-04

NOC: Construction and Operation of the 241-S-102, 241-S-112, 241-U-107 Waste Retrieval System.

Requirement	Compliance Status	Compliance Determination Method
Condition: TOTAL EMISSION LIMITS A new NOC also is required if total emissions of criteria pollutants would exceed the WAC 173-400-110 thresholds. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: At least once per calendar year, if NOC is used. Periodic Monitoring: Recordkeeping and calculations. Required Records: Calculations of criteria pollutants.	Continuous	CDM: Field interviews. Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.
Condition: GENERAL REQUIREMENTS Notification will be made ten (10) days prior to initiating waste retrieval operations covered by this Order. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping. Required Records: Notification documentation.	Not Applicable	CDM: N/A Comment: Ecology and WDOH have determined that licensee need not certify compliance with conditions that convey a right, are a historical summary or fact, that pertain to actions to be completed in the future, or that pertain to actions required of the agency.

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: GENERAL REQUIREMENTS An updated schedule of installation and operation activities will be made available upon request.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping</p> <p>Required Records: Copy of updated schedule.</p>	Continuous	<p>CDM: Field interviews. Updated schedules are maintained.</p> <p>Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.</p>
<p>Condition: EMISSION CONTROLS The portable exhausters may be used to control emissions. If the exhauster is in use, exhaust will be monitored for VOCs and ammonia until levels rise and fall off, or until the dome space VOC and ammonia concentrations are reduced to minimum levels (at which point the levels stop changing).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Portable exhauster exhaust monitoring records for ammonia and VOCs.</p>	Continuous	<p>CDM: Field interviews.</p> <p>Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.</p>
<p>Condition: EMISSION CONTROLS The controls established under the site specific and general Health and Safety Plans, as they apply to minimizing the instantaneous mass emission rate from the tank, are hereby made part of this approval order. A list and description of these controls shall be provided to Ecology upon request.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: List and description of controls.</p>	Continuous	<p>CDM: Field interviews.</p> <p>Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.</p>
<p>Condition: EMISSION CONTROL MONITORS Although all contaminant emissions are estimated below their respective small quantity emission rates (SQERS) or below their acceptable source impact levels (ASILs), during waste retrieval, the following sampling and monitoring will take place to verify emissions estimates and to ensure emission limits are not exceeded: Volatile Organic Compounds (VOCs), ammonia, and other air toxic levels, to include NDMA as necessary, will be monitored in accordance with the industrial hygiene worker safety program and site specific IH Monitoring Plan and this order. A plan for monitoring shall be submitted to Ecology upon request.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: IH Monitoring Plan.</p>	Continuous	<p>CDM: Field interviews and industrial hygiene monitoring plan.</p> <p>Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: EMISSION CONTROL MONITORS</p> <p>Although all contaminant emissions are estimated below their respective small quantity emission rates (SQERS) or below their acceptable source impact levels (ASILs), during waste retrieval, the following sampling and monitoring will take place to verify emissions estimates and to ensure emission limits are not exceeded: A grab sample will be drawn and analyzed for nitrosamines (N nitrosodimethylamine and related compounds) from the sampling port of the exhaust stack on each of the three tanks to be retrieved. Samples will be drawn within 15 minutes after the first start of an exhauster, approximately two hours after the first start of waste retrieval and again when approximately half of the waste has been transferred. This analysis is in addition to the list of compounds presented under item (C.) below. This sampling and analysis shall be functionally equivalent with standard EPA method 15A, including all Quality Assurance and Quality Control (QA/QC) protocols. The IH sampling and analysis plan (including a QA/QC plan) shall be provided to Ecology.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 15A or functionally equivalent method.</p> <p>EPA Test Method Frequency: 1. 15 minutes after the first start of an exhauster 2. Approximately two hours after the first start of waste retrieval 3. When approximately half of the waste has been transferred.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Results of sample analyses.</p>	Continuous	<p>CDM: Field interviews and industrial hygiene monitoring and sample analysis plans.</p> <p>Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: EMISSION CONTROL MONITORS Although all contaminant emissions are estimated below their respective small quantity emission rates (SQERS) or below their acceptable source impact levels (ASILs), during waste retrieval, the following sampling and monitoring will take place to verify emissions estimates and to ensure emission limits are not exceeded: Additional Suma sampling will be performed in accordance with the IH sampling plan to obtain a representative sample of standard target compounds. However, any spikes detected during analysis that are not on the target compound list will be noted and analyzed for if warranted. This sampling and analysis shall be functionally equivalent with standard EPA method 15A, including all Quality Assurance and Quality Control (QA/QC) protocols. The IH sampling and analysis plan (including a QA/QC plan) shall be provided to Ecology.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 15A or functionally equivalent method.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: 1. Suma sampling results. 2. IH sampling and analysis plan.</p>	Continuous	<p>CDM: Field interviews and industrial hygiene monitoring and sample analysis plans.</p> <p>Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.</p>
<p>Condition: EMISSION CONTROL MONITORS Although all contaminant emissions are estimated below their respective small quantity emission rates (SQERS) or below their acceptable source impact levels (ASILs), during waste retrieval, the following sampling and monitoring will take place to verify emissions estimates and to ensure emission limits are not exceeded: If the exhauster is not operated at all during the retrieval operation, alternative sampling and analysis methods to determine maximum emissions will be established under the IH Monitoring Plan. A sampling and analysis plan (including a QA/QC plan) shall be provided to Ecology upon request. The permittee will provide an alternative plan for measuring toxic emissions if the exhauster is not operated during retrieval. Ecology reserves the right to request a modification to this plan.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Alternative plan for measuring toxic emissions, if portable exhauster is not used.</p>	Continuous	<p>CDM: Industrial hygiene monitoring and sample analysis plans.</p> <p>Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.</p>

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). No retrieval operations took place at U-107 during the reporting period.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). No retrieval operations took place at U-107 during the reporting period.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Field interviews. Permit terms are considered RACT. Comment: Retrieval operations took place in 2006 at 241-S-102 and 241-S-112 single shell tanks. No retrieval operations took place at tank U-107 during the reporting period.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Continuous	CDM: Abatement control technology was maintained as required in AOP Attachment 2, Revision H page 927 for 296-P-44 at 241-S-102 retrieval and page 776 for 296-P-43 at 241-S-112. Comment: None

Requirement	Compliance Status	Compliance Determination Method
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Continuous	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment: No retrieval operations took place at U-107 during the reporting period.

P-2706T 001
Page in AOP: 1-060

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: AOP Table 1.6 Non-combustion Emission Units Opacity Requirements

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions passing through a stack are not sources of fugitive emissions or fugitive dust.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions passing through a stack are not sources of fugitive emissions or fugitive dust.

Requirement	Compliance Status	Compliance Determination Method
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms are considered RACT. Complied with all NOC approval conditions for this emission unit. Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Continuous	CDM: Ecology determined this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂ emissions. Comment:

Permit: DE01NWP-002 **Issue Date:** 09-17-01 **Date In AOP:** 03-31-04 **Obsolete Date:** 06-29-06
NOC: T Plant Complex, Toxic Air Emissions

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Total Emission Limits A. The activities described in the Notice of Construction application will be permitted without additional control technologies required, provided that the total emissions from all activities will not result in exceedance of WAC 173-460 ASILs. B. A new Notice of Construction will be required, if total emissions of toxic air pollutants exceed the Small Quantity Emission Rates, unless dispersion modeling demonstrates that emissions would continue to result in concentrations less than the ASILs. Results of any such dispersion modeling demonstrations/calculations will be maintained on file in the T Plant Complex Regulatory File and made available upon inspection. C. A new NOC also is required if total emissions of criteria pollutants would exceed the WAC 173-400-110 thresholds.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Analyze each proposed changed to determine if emissions would exceed an ASIL or NSR threshold.</p> <p>Required Records: Results of analyses.</p>	Continuous	<p>CDM: No changes occurred during the reporting period.</p> <p>Comment:</p>
<p>Condition: General Requirements An annual assessment of SWITS shall be conducted to document compliance that no monitoring and/or sampling systems are needed. This assessment will be reported annually beginning as part of the Calendar Year 2001 non-radioactive inventory of airborne emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Annually.</p> <p>Periodic Monitoring: Conduct an assessment of SWITS data and publish results.</p> <p>Required Records: Analysis of SWITS data.</p>	Continuous	<p>CDM: Records review.</p> <p>Comment: Emissions assessment maintained on file at the facility and actual annual emission from the facility are reported in the annual emissions inventory report pursuant to WAC 173-400-105.</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: Emission Control Monitors A. No sampling is required for non-radioactive air emissions because all contaminant emissions are below their respective small quantity emission rates. B. However, organic vapor analyzers (OVAs), or other similar instruments for detecting fugitive organic emissions, as part of Hanfords Industrial Hygiene program to monitor worker exposure, will be used to monitor for VOCs. C. The data obtained in the course of monitoring worker exposure will be used by the Permittee as an administrative control measure to verify the VOC emissions do not exceed criteria set forth in Hanford's Industrial Hygiene Program for the chemical of concern during the work day. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: A. Not applicable B. & C. Recordkeeping. Required Records: Worker Exposure records.	Continuous	CDM: Records review. Comment: Industrial Hygiene Program monitoring records maintained on file and are available for agency inspection.
Condition: General Conditions A. Visible Emissions: No visible emissions shall be allowed beyond the property line. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2, Tier 3. Required Records: Maintenance records.	Continuous	CDM: Maintained abatement control technology as required. Comment:

P-291Z001-001
Page in AOP: 1-062

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(37)] or fugitive dust [WAC 173-400-030(36)].
Condition: Fugitive Dust: Requires reasonable	Not	CDM: N/A

Requirement	Compliance Status	Compliance Determination Method
<p>precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:</p>	Applicable	<p>Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(37)] or fugitive dust [WAC 173-400-030(36)].</p>
<p>Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:</p>	Continuous	<p>CDM: Permit terms are considered RACT. Complied with all NOC approval conditions for this emission point. Comment:</p>
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:</p>	Continuous	<p>CDM: Abatement control technology was maintained as required in AOP Attachment 2, page H-0050. Comment:</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required. Required Records:</p>	Continuous	<p>CDM: Ecology determined this emission unit does not emit significant levels of SO₂. The process has not been modified to increase SO₂ emissions. Comment:</p>

P-296P028-001
Page in AOP: 1-022

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: There are no permit terms for this emission unit. This emission unit did not operate during the reporting period.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Not Applicable	CDM: N/A Comment: This emission unit did not operate during the reporting period.
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources,	Not Applicable	CDM: Ecology has determined that this emission unit does not emit significant levels of SO ₂ . The process has not been modified to increase SO ₂

Requirement	Compliance Status	Compliance Determination Method
<p>and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>		<p>emissions.</p> <p>Comment: This emission unit did not operate during the reporting period.</p>

P-296SY-001
Page in AOP: 1-022

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: There are no permit terms for this emission unit.</p>
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any</p>	Continuous	<p>CDM: Abatement control technology was maintained as required in AOP</p>

Requirement	Compliance Status	Compliance Determination Method
<p>1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:</p>		<p>Attachment 2, page 2-129 SY-B train and 2-139 SY-A train. Comment: None</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required. Required Records:</p>	Continuous	<p>CDM: Ecology has determined that this emission unit does not emit significant levels of SO₂. The process has not been modified to increase SO₂ emissions. Comment: None</p>

P-296W004 001
Page in AOP: 1-067

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:</p>	Not Applicable	<p>CDM: N/A Comment: Emissions passing through the WRAP stack are not fugitive emissions or fugitive dust.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p>	Not Applicable	<p>CDM: N/A Comment: Emissions passing through the WRAP stack are not fugitive emissions or fugitive dust.</p>

Requirement	Compliance Status	Compliance Determination Method
EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:		
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms are considered RACT. Complied with all NOC approval conditions for this emission point. Comment:
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Continuous	CDM: Abatement control technology was maintained as required in AOP Attachment 2, page 2-60. Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO ₂ emissions and no SO ₂ monitoring is required. Required Records:	Continuous	CDM: Ecology determined this emission unit does not emit significant levels of SO ₂ . Process has not been modified to increase SO ₂ emissions. Comment:

Permit: DE03NWP-002 **Issue Date:** 05-21-03 **Date In AOP:** 03-31-04

NOC: Nonrad NOC for TAPs Emissions at the WRAP Facility

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Total Emission Limits: The processing and repackaging activities described in the Notice of Construction application will be permitted without requiring additional emission controls, provided that the emissions from the stack, venting the 100 and 300 Series Waste Process Lines, the 200 and 400 Restricted Waste process Lines, the process area, and the storage areas are maintained below the level described in and meeting T-BACT (according to WRAP Module 1 Best Available Control Technology Assessment, WHC-SD-W026-TI-005, January 1993, Westinghouse Hanford Company, Richland, Washington).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: Documentation implementing T-BACT.</p>	Continuous	<p>CDM: Records review.</p> <p>Comment: Emissions assessment maintained on file at the facility and actual annual emission from the facility are reported in the annual emissions inventory report pursuant to WAC 173-400-105.</p>
<p>Condition: Total Emission Limits: For toxic compounds not included in the T-BACT analysis, the emission limits shall be the Small Quantity Emission Rate (SQER). A modification submittal of a Notice of Construction (NOC) application will be required if the SQER limit would be exceeded for compounds not addressed under the T-BACT assessment. The calculation/measurement methods described in section 4 below, or other method as approved by Ecology, may be used to document compliance with the SQER limit.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Once every 2 years.</p> <p>Periodic Monitoring: PID or other device capable of detecting TAPs measurements.</p> <p>Required Records: 1. IH Test Plan. 2. Results of measurements.</p>	Continuous	<p>CDM: Records review.</p> <p>Comment: Calculation/measurement methods performed under Section 4 maintained on file and are available for agency inspection.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: An internal annual assessment of the facility container tracking system, such as SWITS of the data management system (DMS), shall be conducted by the facility to document/verify de minimus emissions from the source. This assessment will be maintained on file, made available for Ecology inspector requests, and compiled into emission estimates that will be reported annually beginning as part of the Calendar Year 2003 nonradioactive inventory of airborne emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Annually.</p> <p>Periodic Monitoring: Recordkeeping; Comparison to threshold.</p> <p>Required Records: 1. Throughput records, SWITs query evaluation if > 1,000 drums. 2. Nonradioactive air emissions inventory report required by WAC 173-400-105.</p>	Continuous	<p>CDM: Records review.</p> <p>Comment: Emissions assessment maintained on file at the facility and actual annual emission from the facility are reported in the annual emissions inventory report pursuant to WAC 173-400-105.</p>
<p>Condition: Emission Controls Monitors: Source data from an Organic Vapor Analyzer using a Photoionization detector (PID) with at least an 11.7eV lamp, or other device capable of detecting TAPs, was conducted by the facility in providing verification of de minimus (i.e., parts per million levels) fugitive emissions in the drum storage and NDE/NDA areas. The results of source test information, conducted on or at the source(s) locations in lieu of downstream at the stack, have been provided to the permit writer under separate cover. This information had been determined to satisfy the previous approval order condition for this source in performing one-time monitoring to demonstrate TAP emissions are below the estimates provided in the NOC application and T-BACT analysis for the drum storage and DNE/NDA areas. As such, no additional sampling or monitoring will be required under this approval order. The facility will continue to perform at least once every two years, and make available upon request or inspection, results from any Industrial Hygiene program measurements to further demonstrate compliance with limits contained herein. The test plan for conducting these measurements shall also be maintained on file and made available upon request and/or inspection by Ecology.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Once every two years.</p> <p>Periodic Monitoring: IH Program measurements as specified in NOC, including alternative methods.</p> <p>Required Records: Test plan. Measurement results.</p>	Continuous	<p>CDM: Records review.</p> <p>Comment: Industrial Hygiene Test Plan is performed at least every 2 years, maintained on file, and available for agency inspection.</p>

S-296S021-001
Page in AOP: 1-078

Permit: Letter - 7/13/92 **Issue Date:** 07-13-92 **Date In AOP:** 07-02-01
NOC: 222-S Lab Hot Cell Expansion

Requirement	Compliance Status	Compliance Determination Method
Condition: Any toxic air release must be below detection limits. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: No monitoring required beyond initial test. Required Records: None.	Not Applicable	CDM: N/A Comment: No monitoring is required beyond initial test conducted prior to start up (reference Letter 93-RPD-074 dated 12/10/91).

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37).
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions per WAC 173-400-030(38) or fugitive dust per WAC 173-400-030(37). This emission unit did not operate during the reporting period.
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: Field interviews. Permit terms are considered RACT. Comment: This permit term is an approval order term and condition that has become irrelevant because it was completed at the time of initial testing of the emission unit.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any	Continuous	CDM: Abatement control technology was maintained as required in AOP

Requirement	Compliance Status	Compliance Determination Method
<p>1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1.</p> <p>Required Records:</p>		<p>Attachment 2, Revision H page 27.</p> <p>Comment: None</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>	<p>Not Applicable</p>	<p>CDM: Ecology has determined that this emission unit does not emit significant levels of SO₂. The process has not been modified to increase SO₂ emissions.</p> <p>Comment: None</p>

331C-01-V (EP-305B-02V) Gas Cylinder Management Process
Page in AOP: 1-044

Permit: DE98NWP-003 Issue Date: 09-01-98 Date In AOP: 07-02-01
NOC: 305-B AOP Table 1.6

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: GCMP Release Limits: The maximum total quantity of residuals that are allowed to be released under this Order per calendar year will not exceed two (2) tons/year. This shall include no more than one (1) ton/year of Class I and Class II ozone-depleting substances.</p> <p>Model ID: 6.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Operator recording of release information. Frequency: for each release.</p> <p>Required Records: Daily volumes and concentrations emitted from each cylinder and operator signature.</p>	Not Applicable	<p>CDM: Records Review / Personnel Interview</p> <p>Comment: No gas cylinder residuals were exhausted in 331C during the review period.</p>
<p>Condition: GCMP Release Limits: The above release limits and the ASILs shall not be exceeded until a revised NOC application is submitted to Ecology and approved by Ecology.</p> <p>Model ID: 6.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Applicable if triggered.</p> <p>Required Records: 1. Chemical inventory if use rates are unavailable. 2. Volumes and concentrations in each cylinder. 3. Waste handling rates. 4. Chemical use rate. 5. Chemical inventory if use rates are unavailable.</p>	Not Applicable	<p>CDM: Records Review / Personnel Interview</p> <p>Comment: No gas cylinder residuals were exhausted in 331C during the review period.</p>
<p>Condition: Total Building Emission Limits: GCMP process and emission controls, building research and waste handling projects and supporting operations, and building equipment additions and changes, including emission control systems, can be made to accommodate changing research and support requirements without filing a new Notice of Construction, providing the total emissions meet the ASILs and WAC 173-400-110 NSR thresholds.</p> <p>Model ID: 7A and 7B.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping Frequency: For each release.</p> <p>Required Records: Results of analyses.</p>	Continuous	<p>CDM: Records Review</p> <p>Comment: No requests were made to perform additional research or waste handling projects.</p>

<p>Condition: Total Building Emission Limits: A new NOC will be required if total building emissions of toxic air pollutants exceed the Small Quantity Emission Rates, unless a T-Screen analysis is run that shows that emissions would result in concentrations less than ASILs. Results of these analyses will be maintained on file at PNNL for inspection.</p> <p>Model ID: 6, 7A & 7B.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Applicable if triggered.</p> <p>Required Records: 1. Chemical inventory if use rates are unavailable 2. Volumes and concentrations in each cylinder 3. Waste handling rates 4. Chemical use rate 5. Chemical inventory if use rates are unavailable.</p>	<p>Continuous</p>	<p>CDM: Records Review Comment: A new NOC was not required during this review period.</p>
<p>Condition: Total Building Emission Limits: A new NOC will be required if total building emissions of criteria pollutants would exceed the WAC 173-400-110 thresholds.</p> <p>Model ID: 6, & 7A.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Applicable if triggered.</p> <p>Required Records: 1. Chemical inventory if use rates are unavailable 2. Volumes and concentrations in each cylinder 3. Waste handling rates 4. Chemical use rate 5. Chemical inventory if use rates are unavailable.</p>	<p>Continuous</p>	<p>CDM: Records Review Comment: A new NOC was not required during this review period.</p>
<p>Condition: Monitoring and Recordkeeping: Specific records shall be kept on-site by the permittee and made available for inspection by Ecology upon request. The records shall be organized in a readily accessible manner and cover a minimum of the most recent 60-month period.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping.</p> <p>Required Records: 1. Logbook identifying individual cylinders. 2. Logbook identifying contents of the cylinders 3. The amount of residuals 4. The date and rate of release 5. Any other information pertaining to said release.</p>	<p>Continuous</p>	<p>CDM: Records Review Comment: GCMP release rates, volumes, & chemical concentrations and any other information associated with each release are recorded in the 331C Facility RIDS, Section T04.8.</p>
<p>Condition: Should any of the emissions become subject to 40 Code of Federal Regulations (CFR) 264/265 Subparts AA, those emissions would be regulated under those parts and are then exempt from WAC 173-460. In that event, those exempted emissions would be excluded from ASIL and threshold evaluations.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Applicable if triggered.</p> <p>Required Records:</p>	<p>Not Applicable</p>	<p>CDM: N/A Comment: There have been no emissions from 331C subject to 40CFR 264/265 Subpart AA</p>

Condition: General Conditions: Visible emissions - No visible emissions shall be allowed beyond the property line, as determined by opacity readings when warranted. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Frequency: At least once per quarter, or as prescribed for Tier 2. Periodic Monitoring: Section 2.1, Tier 2. Required Records: Operating log.	Continuous	CDM: Records Review Comment: There were no visible emissions. Visible emissions surveys were performed as directed in Section 2.1, Tier 2. The requirements of the procedure for reducing visible emission survey frequencies were met. Observations are now only required when visible emissions are noticed or expected.
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Permit: AOP 00-05-006 **Issue Date:** 07-01-02 **Date In AOP:** 07-01-02

NOC: 305B AOP General Conditions, Table 1.6 Page 1-19

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3 Required Records:	Continuous	CDM: Verified requirement was incorporated into the Job Planning Package requirements of the administrative procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 13, Effective Date: 5/22/06. Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3 Required Records:	Continuous	CDM: Verified requirement was incorporated into the Job Planning Package requirements of the administrative procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 13, Effective Date: 5/22/06. Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms considered RACT. Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60	Continuous	CDM: Records Review Comment: Ecology has determined, based on process knowledge that this emission unit does not emit significant levels of SO ₂ . It was

Requirement	Compliance Status	Compliance Determination Method
<p>consecutive minutes. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2. (Ecology has determined, determined based on process knowledge, that these emission units do not emit significant levels of SO₂. The permittee shall certify that the processes have not been modified to increase SO₂ emissions, and no SO₂ monitoring is required.) Required Records:</p>		<p>verified through project and facility modification reviews that SO₂ emissions did not increase.</p>

E-1000 001
Page in AOP: 1-021

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated. Required Records:</p>	Continuous	<p>CDM: EPA Method 9 surveys conducted (see CCN 132708). Comment: Visible emissions are also in compliance using Ecology Method 9A.</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.7, Tier 1. Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year. Required Records:</p>	Continuous	<p>CDM: Vendor documentation verifies fuel oil delivered contained Comment: No fuel was purchased in calendar year 2006.</p>
<p>Condition: Reasonably available control technology (RACT).</p>	Not Applicable	<p>CDM: N/A Comment: There are no NOC</p>

Requirement	Compliance Status	Compliance Determination Method
Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:		approval conditions for this emission point.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].

E-1450 001
Page in AOP: 1-021

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated.</p> <p>Required Records:</p>	Continuous	<p>CDM: EPA Method 9 surveys conducted (see CCN 132708).</p> <p>Comment: Visible emissions are also in compliance using Ecology Method 9A.</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.7, Tier 1.</p> <p>Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year.</p> <p>Required Records:</p>	Continuous	<p>CDM: Vendor documentation verifies fuel oil delivered contained <0.5%.</p> <p>Comment: No fuel was purchased in calendar year 2006.</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: There are no NOC approval conditions for this emission point.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)].</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions passing through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].

E-900 001
Page in AOP: 1-021

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01

NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.7, Tier 1. Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.
Condition: Reasonably available control technology	Not	CDM: N/A

Requirement	Compliance Status	Compliance Determination Method
(RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Applicable	Comment: Emission unit did not operate.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.

E-900 002
Page in AOP: 1-021

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Visible emission survey.</p> <p>Frequency: At least once per calendar quarter, if operated.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emission unit did not operate.</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.7, Tier 1.</p> <p>Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emission unit did not operate.</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emission unit did not operate.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)].</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emission unit did not operate.</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.

E-900 003
Page in AOP: 1-021

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.7, Tier 1. Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.
Condition: Reasonably available control technology	Not	CDM: N/A

Requirement	Compliance Status	Compliance Determination Method
(RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Applicable	Comment: Emission unit did not operate.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emission unit did not operate.

Emergency Diesel Generators
Page in AOP: 1-036

Permit: DE02NWP-001 **Issue Date:** 01-15-02 **Date In AOP:** 03-31-04
NOC: Emergency Diesel Generators

Requirement	Compliance Status	Compliance Determination Method
Condition: Emissions Control SOx emissions will be controlled through use of #2 Diesel Fuel with a sulfur content within the range of 0.2% to 0.5%. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Per fuel shipment. Periodic Monitoring: Recordkeeping. Required Records: Vendor documentation or fuel analysis showing sulfur content less than 0.5%.	Continuous	CDM: Fuel invoices for #2 diesel fuel (Comment:
Condition: Total Emission Limits A. The activities described in the Notice of Construction application will	Continuous	CDM: No changes in fuel usage and operating hours occurred in 2006

Requirement	Compliance Status	Compliance Determination Method
<p>be permitted without additional control technologies required, provided that the total emissions from all activities will not result in accident of WAC 173-460 ASILs. B. A new Notice of Construction will be required, if total emissions of toxic air pollutants exceed the Small Quantity Emission Rates, unless dispersion modeling demonstrates that emissions would continue to result in concentrations less than the ASILs. Results of any such dispersion modeling demonstrations/calculations will be maintained on file and made available upon inspection. C. A new NOC also is required if total emissions of criteria pollutants would exceed the WAC 173-400-110 thresholds.</p> <p>Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Analyze each proposed change to determine if emissions would exceed an ASIL or NSR threshold. Required Records: Results of analyses.</p>		<p>warranting additional demonstration ASILs were not exceeded. Comment:</p>
<p>Condition: Monitoring and Recordkeeping Specific records shall be kept on-site by the Permittee and made available for inspection by Ecology upon request. The records shall be organized in a readily accessible manner and cover a minimum of the most recent sixty (60) month period. The records to be kept shall include the following: A. Maintain records of the hours of operation. B. Maintain records the amount of fuel consumed.</p> <p>Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping. Required Records: 1. Hours of operation 2. Fuel consumption.</p>	Continuous	<p>CDM: Hours of operation and fuel consumption recorded monthly. Records of operation and fuel consumption are on file and available for review on request. Comment:</p>

EP-325-01-S Hazardous Waste Treatment Unit
Page in AOP: 1-048

Permit: DE98NWP-004 Issue Date: 09-01-98 Date In AOP: 07-02-01
NOC: 325, AOP Table 1.6

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: HWTU Feed Rate: The process feed rate shall be limited to a rate that will control the WAC 173-460 listed Toxic Air Pollutants (TAPs) to meet the Acceptable Source Impact Level (ASIL), and in any case, not to exceed 8,000 kg of waste per calendar year total for the HWTU the permittee is proposing under this NOC application approval Order.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. Frequency: Daily when operating.</p> <p>Required Records: HWTU daily feed rate (Total and WAC 173-460 TAPs).</p>	Continuous	<p>CDM: Verification via records created and maintained under PNNL Administrative Procedure HWTU-033, 325 HWTU Chemical Air Permit Compliance.</p> <p>Comment:</p>
<p>Condition: Total Building Emission Limits: HWTU process and emission controls, building research and waste handling projects and supporting operations, and building equipment additions and changes, including control systems, can be made to accommodate changing research and support requirements without filing a new Notice of Construction, providing the total emissions meet the ASILs and WAC 173-400-110 NSR thresholds.</p> <p>Model ID: 7A and 7B.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping and emission calculations. Frequency: Each treatment process and proposed change.</p> <p>Required Records: Results of analyses.</p>	Continuous	<p>CDM: Records Review</p> <p>Comment: Reviewed records created and maintained under HWTU-033, 325 HWTU Chemical Air Permit Compliance, which indicate each HWTU/SAL treatment process was evaluated, and emissions were within the limits established in that procedure. Under the PNNL Standards Based Management System (SBMS) each new research project is required to be reviewed via the Electronic Prep & Risk assessment process. The reviews are recorded in the EPR database. Facility modifications are reviewed through the FMP/ECN process. Projects with potential air emissions were further analyzed by Effluent Management (EM) under the SBMS Airborne Emission Subject Area to verify that total facility emissions were within the ASILs and NSR thresholds. EM retained the records.</p>
<p>Condition: A new Notice of Construction will be required if total building emissions of toxic air pollutants exceed the Small Quantity Emission Rates, unless a T-Screen analysis is run that shows the emissions would result in concentrations less than the ASILs.</p> <p>Model ID: 7A and 7B.</p> <p>EPA Test Method: Not specified.</p>	Continuous	<p>CDM: Records Review</p> <p>Comment: This condition should be considered part of the above condition</p>

Requirement	Compliance Status	Compliance Determination Method
EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping and emission calculations. Frequency: Each proposed change. Required Records: Results of analyses.		
Condition: A new Notice of Construction also is required if total building emissions of criteria pollutants would exceed the WAC 173-400-110 thresholds. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Applicable if triggered. Required Records:	Continuous	CDM: Records Review Comment: This condition should be considered part of the above condition
Condition: Monitoring and Recordkeeping: Specific records shall be kept on-site by the permittee and made available for inspection by Ecology upon request. The records shall be organized in a readily accessible manner and cover a minimum of the most recent 60-month period. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Recordkeeping and emission calculations. Required Records: 1. HWTU unit feed rates for TAPS and NSR threshold listed criteria pollutants. 2. HWTU treatment process destruction efficiency data or engineering estimates. 3. Engineering estimates of the maximum emissions of reaction products of the HWTU treatment process. 4. Evaluations of each bench-scale treatment process or additions or changes not otherwise exempt.	Continuous	CDM: Records Review Comment: Verified that the records created and maintained under HWTU-033, 325 HWTU Chemical Air Permit Compliance, include the Required Records. Verified that the annual records submitted by HWTU/SAL to Effluent Management were entered into the Air Chemical Emissions Task RIDS and will have a 60-month retention.

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: General Conditions: Visible Emissions - No visible emissions shall be allowed beyond the property line, as determined by opacity readings when warranted.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.1, Tier 3.</p> <p>Required Records: Operating log.</p>	Continuous	<p>CDM: Records Review</p> <p>Comment: Abatement Control Technology maintained in accordance with Section 2.1, Tier 3. Air Balance personnel are responsible for the efficiency testing and replacement of HEPA filters. This testing is performed in accordance with Air Balance procedures located on the F&O web page. Data collected through support organizations is coordinated through statements of work (SOWs) that outline project expectations for collection and reporting of data: Effluent Sampling and Monitoring Support-Memorandum of Agreement (performance of stack flow measurements and maintenance of equipment) Note: All of these documents are maintained on the EM web page.</p>

Permit: AOP 00-05-006 **Issue Date:** 07-01-02 **Date In AOP:** 07-01-02
NOC: 325, AOP General Conditions, Table 1.6 Page 1-19

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3</p> <p>Required Records:</p>	Continuous	<p>CDM: Verified requirement was incorporated into the Job Planning Package requirements of the administrative procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 13, Effective Date: 5/22/06.</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3</p> <p>Required Records:</p>	Continuous	<p>CDM: Verified requirement was incorporated into the Job Planning Package requirements of the administrative procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 13, Effective Date: 5/22/06.</p> <p>Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-</p>

Requirement	Compliance Status	Compliance Determination Method
		400-030(37)].
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms considered RACT. Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2. (Ecology has determined, determined based on process knowledge, that these emission units do not emit significant levels of SO ₂ . The permittee shall certify that the processes have not been modified to increase SO ₂ emissions, and no SO ₂ monitoring is required.) Required Records:	Continuous	CDM: Records Review Comment: Ecology has determined, based on process knowledge that this emission unit does not emit significant levels of SO ₂ . It was verified through project and facility modification reviews that SO ₂ emissions did not increase.

EP-329-01-S Chemical Sciences Laboratory
Page in AOP: 1-051

Permit: NWP95-329/300A Issue Date: 09-18-96 Date In AOP: 07-02-01
NOC: 329 AOP Table 1.6

Requirement	Compliance Status	Compliance Determination Method
Condition: Opacity 5 %. Model ID: Not applicable. EPA Test Method: EPA Method 9 of 40 CFR Part 60, Appendix A. EPA Test Method Frequency: Not applicable. Periodic Monitoring: See Section 2.1, Tier 3. Required Records:	Continuous	CDM: Records Review Comment: Abatement Control Technology maintained in accordance with Section 2.1, Tier 3. Confirmed this with the Building Engineer.
Condition: VOC 0.8 lb/hr. Model ID: 4B. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Chemical inventory and usage records and emission calculations for each change. Required Records: Results of analyses.	Continuous	CDM: Results of Analyses Comment: Performed calculations according to Model ID 4B, results indicate VOC release rate is below the NOC limit.

Permit: AOP 00-05-006 **Issue Date:** 07-01-02 **Date In AOP:** 07-01-02
NOC: 329, AOP General Conditions, Table 1.6 Page 1-19

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3 Required Records:	Continuous	CDM: Verified requirement was incorporated into pre-job planning procedure: Administrative Procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 12, Effective Date: 1/31/06. Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3 Required Records:	Continuous	CDM: Verified requirement was incorporated into pre-job planning procedure: Administrative Procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 12, Effective Date: 1/31/06. Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms considered RACT. Comment:
Condition: 1000 ppm SO ₂ @ 7% O ₂ on a dry basis Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.7, Tier 2. (Ecology has determined, determined based on process knowledge, that these emission units do not emit significant levels of SO ₂ . The permittee shall certify that the processes have not been modified to increase SO ₂ emissions, and no SO ₂ monitoring is required.) Required Records:	Continuous	CDM: Records Review Comment: Ecology has determined, based on process knowledge that this emission unit does not emit significant levels of SO ₂ . It was verified through project and facility modification reviews that SO ₂ emissions did not increase.

EP-331-01-V Life Sciences Laboratory I
Page in AOP: 1-052

Permit: 97NM-147 Issue Date: 11-10-97 Date In AOP: 07-02-01

NOC: 331 AOP Table 1.6

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: A new Notice of Construction shall be filed if emissions of toxic air pollutants exceed the pounds per year Small Quantity Emissions Rates (SQER) of WAC 173-460-080(2)(e), or it shall be on file at the 331 Building that T-SCREEN was run and that emissions were less than the Acceptable Source Impact Level (ASIL), in accordance with 173-460-080(2) and (3). Results shall be on file at PNNL for inspection. A new Notice of Construction shall be filed if emissions of criteria pollutants exceed the following thresholds: Carbon Monoxide - 20 tons/year Nitrogen Oxides - 8 tons/year Sulfur dioxide - 8 tons/year Volatile Organic Compounds - 8 tons/year Particulate matter - 5 tons/year PM-10 - 3 tons/year Lead - 0.12 tons/year.</p> <p>Model ID: 7A and 7B.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping Frequency: For each change.</p> <p>Required Records: Results of analyses.</p>	Continuous	<p>CDM: Records Review</p> <p>Comment: Under the PNNL Standards Based Management System (SBMS) each new research project is required to be reviewed via the Electronic Prep & Risk assessment process. The reviews are recorded in the EPR database. Facility changes are required to be reviewed via the SBMS Subject Area for Engineering Calculations, Drawings and Specifications Creating and Modifying. Projects with potential air emissions were further reviewed by Effluent Management (EM) under the SBMS Airborne Emissions Subject Area, and the records retained by EM.</p>

Permit: AOP 00-05-006 Issue Date: 07-01-02 Date In AOP: 07-01-02

NOC: 331, AOP General Conditions, Table 1.6 Page 1-19

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3 Required Records:	Continuous	CDM: Verified requirement was incorporated into the Job Planning Package requirements of the administrative procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 13, Effective Date: 5/22/06. Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures per Section 2.3 Required Records:	Continuous	CDM: Verified requirement was incorporated into the Job Planning Package requirements of the administrative procedure ADM-016 Facility and Operations Maintenance Work Control Procedure Rev. No: 13, Effective Date: 5/22/06. Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(38)] or fugitive dust [WAC 173-400-030(37)].
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms considered RACT. Comment:
Condition: 20% Opacity Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1 (Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2 and 2.1 for this emission unit.) Required Records:	Continuous	CDM: Records Review Comment: Abatement control technology maintained in accordance with Section 2.1, Tier 3.

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2. (Ecology has determined, determined based on process knowledge, that these emission units do not emit significant levels of SO₂. The permittee shall certify that the processes have not been modified to increase SO₂ emissions, and no SO₂ monitoring is required.)</p> <p>Required Records:</p>	<p>Continuous</p>	<p>CDM: Records Review Comment: Ecology has determined, based on process knowledge that this emission unit does not emit significant levels of SO₂. It was verified through project and facility modification reviews that SO₂ emissions did not increase.</p>

P-340NTEX-001
Page in AOP: 1-070

Permit: 97NM-137 Issue Date: 05-05-97 Date In AOP: 07-02-01

NOC: Tank Sludge Cleanout

Requirement	Compliance Status	Compliance Determination Method
Condition: Maintain negative pressure of tanks during solids removal. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records: Operations log showing negative air pressure was maintained during solids removal from tank.	Not Applicable	CDM: N/A Comment: No solids removal activities were conducted during CY 2005
Condition: Implement temporary pollution controls during removal of solids and equipment from tanks. Temporary pollution controls implemented during solids removal will consist of temporary barriers installed between the tank access port and the surrounding area. Temporary pollution controls implemented during removal of equipment will consist of plastic sleeving to provide a barrier between the equipment and the surrounding work area and the environment. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records: Operations log showing appropriate temporary pollution control was in place during solids removal and equipment removal.	Not Applicable	CDM: N/A Comment: No solids removal activities were conducted during CY 2005
Condition: Control particulates with a prefilter and two banks of HEPAs. HEPAs are to be in-place tested to demonstrate removal efficiency of 99.95% for particulates with a 0.3 micron median diameter. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records: 1. Inspection records. 2. HEPA test results.	Continuous	CDM: Annual Aerosol test. Comment:

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Non-combustion Unit with HEPA

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(37)] or fugitive dust [WAC 173-400-030(36)].
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(37)] or fugitive dust [WAC 173-400-030(36)].
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms are considered RACT. Complied with all NOC approval conditions for this emission point. Comment: There are no NOC approval conditions for this emission point.
Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water. Model ID: Not applicable. EPA Test Method: EPA Method 9. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Section 2.1, Tier 3: Maintain abatement control technology as required in Attachment 2, Tables 1.1, 1.2, and 2.1. Required Records:	Continuous	CDM: Abatement control technology was maintained as required in AOP Attachment 2. Comment:

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Section 2.7, Tier 2: Annually certify the process has not been modified to increase SO₂ emissions and no SO₂ monitoring is required.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: For non-combustion units, Ecology has determined that this emission unit does not emit significant levels of SO₂. The process has not been modified to increase SO₂ emissions.</p> <p>Comment:</p>

E-4250 001
Page in AOP: 1-021

Permit: 00-05-006 **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated.</p> <p>Required Records:</p>	Continuous	<p>CDM: Visible emission surveys were conducted once per calendar quarter as required for each quarter that the unit was operated. No visible emissions observed.</p> <p>Comment:</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.7, Tier 1.</p> <p>Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year.</p> <p>Required Records:</p>	Continuous	<p>CDM: The sulfur content of the diesel storage tank was 0.17% based on an October 2003 sample. No diesel fuel has been added since that date. Using the maximum fuel combustion rate for the turbine generator of 297 gallons per hour and a 0.5% sulfur fuel, the stoichiometric calculations results in a maximum concentration of 227 ppm for SO₂, well below the 1000 ppm standard. As long as the fuel has a sulfur concentration less than or equal to 0.5%, it is impossible for this unit to exceed the 1,000 ppm SO₂</p>

Requirement	Compliance Status	Compliance Determination Method
		standard. This unit burned 19,446 gallons of fuel oil during this period. Comment:
Condition: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: Permit terms are considered RACT. There are no NOC approval conditions for this emission unit.
Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(37)] or fugitive dust [WAC 173-400-030(36)].
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(37)] or fugitive dust [WAC 173-400-030(36)].

E-WSCF 001
Page in AOP: 1-021

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Ecology General Combustion General Opacity

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 9.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Visible emission survey. Frequency: At least once per calendar quarter, if operated.</p> <p>Required Records:</p>	Continuous	<p>CDM: Visible emission surveys conducted once per calendar quarter as required. No visible emissions observed.</p> <p>Comment:</p>
<p>Condition: 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: See Section 2.7, Tier 1.</p> <p>Required Records: 1. fuel burned 2. Vendor documentation or fuel analysis once per year.</p> <p>Required Records:</p>	Continuous	<p>CDM: Vendor documentation verifies fuel oil delivered contained <0.5%.</p> <p>Comment:</p>
<p>Condition: Reasonably available control technology (RACT).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Permit terms considered RACT.</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Permit terms are considered RACT. There are no NOC approval conditions for this emission point.</p>
<p>Condition: Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)].</p> <p>Required Records:</p>	Not Applicable	<p>CDM: N/A</p> <p>Comment: Emissions passing through a stack are not sources of fugitive emissions or fugitive dust.</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Emissions that pass through a stack are not sources of fugitive emissions [WAC 173-400-030(32)] or fugitive dust [WAC 173-400-030(31)]. Required Records:	Not Applicable	CDM: N/A Comment: Emissions passing through a stack are not sources of fugitive emissions or fugitive dust.

Hanford Site Asbestos Landfill
Page in AOP: 1-082

Permit: 00-05-006 and Significant Modification (8/9/02) **Issue Date:** 07-02-01 **Date In AOP:** 07-02-01
NOC: AOP Table 1.7 Miscellaneous Emission Units - Asbestos Landfill

Requirement	Compliance Status	Compliance Determination Method
Condition: Cover asbestos-containing waste with at least 60 centimeter of compacted nonasbestos-containing material, and maintain to prevent exposure. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Required Records:	Continuous	CDM: Quarterly inspections made to verify integrity of cover. Comment: Waste was originally covered with at least 60 centimeters of soil. The landfill is visually inspected quarterly to verify cover material integrity and to ensure cover material is maintained to prevent exposure. Hanford Site Asbestos Landfill is inactive.
Condition: Notify in writing at least 45 days prior to excavation. If construction will begin on a date other than the one in the original notice, notice of the new date must be provided at least 10 working days in advance. (1) Notice shall contain starting and completion dates. (2) Notice shall contain reason for disturbing the waste. (3) Notice shall contain procedures to be used to control emissions. (4) Notice shall contain a location for any temporary storage site and the final disposal site. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Required Records:	Continuous	CDM: N/A. Comment: Requirement was not triggered. Hanford Site Asbestos Landfill is inactive.

Requirement	Compliance Status	Compliance Determination Method
Condition: WAC 173-400-040(3)(a) : Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: N/A. Comment: Section 2.3 of the "Compliance and Periodic Monitoring Provisions" requires "All construction projects will address fugitive emissions and fugitive dust control during prejob planning and job safety analysis". There was no construction at the landfill. Hanford Site Asbestos Landfill is inactive.
Condition: WAC 173-400-040(8)(a): Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: N/A. Comment: Section 2.3 of the "Compliance and Periodic Monitoring Provisions" requires "All construction projects will address fugitive emissions and fugitive dust control during prejob planning and job safety analysis". There was no construction at the landfill. Hanford Site Asbestos Landfill is inactive.
Condition: WAC 173-400-040 1st para : Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A. Comment: There are no NOC approval conditions for this emission point. Hanford Site Asbestos Landfill is inactive.
Condition: WAC 173-400-040(1): (Visible emissions from 8/9/02) Permittee is considered to be in compliance if no complaints are forwarded to or generated by Ecology. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Continuous	CDM: No complaints forwarded to or generated by Ecology as specified in AOP Attachment 1, Table 1.7 during the reporting period. Comment: This is based on the fact DOE received no complaints from Ecology.
Condition: WAC 173-400-040(6): Monitor per AOP Attachment 1, Section 2.7, Tier 2. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: The process has not been modified to increase SO2 emissions. Required Records:	Continuous	CDM: Ecology determined this emission unit does not emit significant levels of SO2. Process not modified to increase SO2 emissions. Comment: Hanford Site Asbestos Landfill is inactive.

G-6290
Page in AOP: 1-082

Permit: 00-05-006 and Significant Modification (8/9/02) **Issue Date:** 07-02-01 **Date In AOP:** 07-01-02
NOC: AOP Table 1.7 Miscellaneous Emission Units - Gas Distribution

Requirement	Compliance Status	Compliance Determination Method
Condition: WAC 173-400-040(3)(a): Fugitive Emissions: The permittee shall take reasonable precautions to prevent the release of air contaminants from any emissions unit engaging in materials handling, construction, demolition, or any other operation that is a source of fugitive emissions. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Continuous	CDM: Required use of drop tubes and vapor recovery equipment. Comment:
Condition: WAC 173-400-040(8)(a): Fugitive Dust: Requires reasonable precautions be taken to prevent fugitive dust from becoming airborne and to minimize dust generation. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Pre-job planning to determine reasonable control measures. Required Records:	Not Applicable	CDM: Dust not generated under normal operating conditions. Comment:
Condition: WAC 173-400-040 1st para: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Not Applicable	CDM: N/A Comment: There are no NOC approval conditions for this emission point.
Condition: WAC 173-491-040(4)(d) The owner or operator shall not permit the loading of gasoline into a storage tank equipped with vapor balance fittings from a transport tank equipped with vapor balance fittings unless the vapor balance system is attached to the transport tank and operated satisfactorily. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Continuous	CDM: The vapor balance system is attached to the transport tank and operated properly when loading gasoline into a storage tank with vapor balance fittings. Comment:
Condition: WAC 173-400-040(1): (Visible emissions from 8/9/02.) Permittee is considered to be in compliance if no complaints are forwarded to or generated by Ecology.	Continuous	CDM: No complaints forwarded or generated by Ecology. Comment:

Requirement	Compliance Status	Compliance Determination Method
Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:		
Condition: WAC 173-400-040(6): Monitor per AOP Attachment 1, Section 2.7, Tier 2. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: The process has not been modified to increase SO2 emissions. Required Records:	Continuous	CDM: This emission unit is not a significant source of SO2 emissions. It has not been modified to increase SO2 Comment:
Condition: WAC 173-491-040(4)(b): All gasoline storage tanks shall be equipped with submerged or bottom fill lines and fittings to vapor balance gasoline vapors with the delivery transport tank. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Continuous	CDM: Visual inspection by maintenance personnel. Comment: Drop tubes part of original installation.
Condition: WAC 173-491-040(6)(d): Recordkeeping. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Not applicable. Required Records:	Continuous	CDM: Records on file at RH Smith corporate office. Comment: Transport trucks certified by fuel terminal annually.

ESPC Boilers
Page in AOP: 1-015

Permit: 97NM-138 Issue Date: 06-06-97 Date In AOP: 07-02-01

NOC: 200/300 Area Steam Replacement

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Steam generating units < 5mmBTU/hr: WAC 173-400-040(1) 20% Opacity: Prohibits visible emissions exceeding 20% opacity for more than 3 minutes in any 1 hour of an air contaminant from any emissions unit or within a reasonable distance of the emission unit except for scheduled soot blowing/grate cleaning or due to documented water</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Method: Ecology 9A</p> <p>EPA Test Method Frequency: Frequency: Not Applicable</p> <p>Periodic Monitoring: Fuel-oil Fired BoilersMethod: Visible emission surveys, Section 2.1Tier 1. Frequency: At least once per calendar year quarter. Natural gas-fired boilersMethod: Visible emission surveys, Section 2.1, Tier 2. Frequency: At least once per quarter</p> <p>Required Records:</p>	Continuous	<p>CDM: Visual observations and inspections are made during daily rounds. Visible emissions are considered an unusual or abnormal condition signaling operational difficulties. Conditions of this type are recorded on round sheets and in the operations log. Corrective measures are immediately implemented whenever possible or entered into JCI's Maintenance Management Program. In addition, presence or absence of visible emissions are noted on monthly inspection checklists. Checklists are maintained and available for review on request.</p> <p>Comment: No unusual conditions were noted during the period of compliance January 1, 2006 through December 31, 2006.</p>
<p>Condition: Fossil-fuel fired Steam generating units < 5mmBTU/hr: WAC 173-400-040(6) 1000 ppm SO₂ @ 7% O₂ on a dry basis: Prohibits emission of a gas containing sulfur dioxide from any emissions unit in excess of 1000 ppm of a dry basis, corrected to 7% oxygen for combustion sources, and based on the average of any period of 60 consecutive minutes.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not Applicable</p> <p>Periodic Monitoring: Fuel-oil fired units:Method: See Section 2.7, Tier 1. Frequency: At least annually</p> <p>Required Records:</p>	Continuous	<p>CDM: Vendor documentation verifies fuel oil delivered contained < 0.05% S. Model 1 shows diesel engines 2,200 Hp or less can not exceed the 1,000 ppm SO₂ standard when using fuel with S concentration < 0.05%.</p> <p>Comment:</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fossil-fuel fired Steam generating units < 5mmBTU/hr: WAC 173-400-050(1) & (3) particulate matter #0.23 gram per dry cubic meter at standard conditions (0.1 grain/dscf) adjusted for volumes corrected to 7% O₂</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 5 or approved procedure in "Source Test Manual - Procedures for Compliance Testing", 7/12/90</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5</p> <p>Required Records: Section 2.5</p>	Continuous	<p>CDM: Boiler tune-ups are performed annually or more frequently if needed. Tapes recording tune-up and boiler performance are maintained as records. Abnormal conditions immediately are corrected during the tuning.</p> <p>Comment:</p>
<p>Condition: 40 CFR 60, Subpart Dc, WAC 173-400-115: Standards of performance for new sources. Small industrial-commercial-institutional steam generating units 234-5Z Boiler 1 234-5Z Boiler 2 234-5Z Boiler 3 242-A Boiler 2 242-A Boiler 3 #0.5 weight percent sulfur fuel</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Fuel supplier certifications and annual report. See 2.5 Recordkeeping.</p> <p>Required Records: Fuel supplier certifications and annual report. See 2.5 Recordkeeping.</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of boiler logged. Fuel usage and run time data are used to calculate monthly emission levels for each boiler.</p> <p>Comment: Vendor documentation of all fuel consumed by the boilers, boiler activity/run-time, and certification by JCI are on file and available for review.</p>
<p>Condition: 97NM-138: No. 2 Distillate Fuel-oil Fired Steam Generating Units Greater than or equal to 5mmBTU/hr. 0.05% sulfur distillate fuel oil will be used in the 200 Areas; natural gas will be used in the 300 Area.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from the distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler.</p> <p>Comment:</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 97NM-138: No. 2 Distillate Fuel-oil Fired Steam Generating Units Greater than or equal to 5 mm BTU/hr. NO_x Shall not exceed 0.150 lb/mmBTU and 115 ppm @ 3% O₂.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 7E of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>
<p>Condition: 97NM-138: No. 2 Distillate Fuel-oil Fired Steam Generating Units Greater than or equal to 5 mm BTU/hr. SO_x. shall not exceed 0.051 lb/mmBTU.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 7E of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from the distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 97NM-138: No. 2 Distillate Fuel-oil Fired Steam Generating Units Greater than or equal to 5 mm BTU/hr. CO. Shall not exceed 0.071 lb/mmBTU and 90 ppm @ 3% O₂.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 10 of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>
<p>Condition: 97NM-138: No. 2 Distillate Fuel-oil Fired Steam Generating Units Greater than or equal to 5 mm BTU/hr Particulate Matter (PM 10) shall not exceed 0.011 lb/mmBTU.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 5 of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 97NM-138: No. 2 Distillate Fuel-oil Fired Steam Generating Units Greater than or equal to 5 mm BTU/hr: VOC shall not exceed 0.013 lb/mmBTU and 30 ppm @ 3% O₂.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 25 or 25A of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>
<p>Condition: 97NM-138: Natural Gas-Fired Greater than or equal to 5 mm BTU/hr NO_x shall not exceed 0.037 lb/mmBTU and 30 ppm @ 3% O₂.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 7E of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 97NM-138: Natural Gas-Fired Greater than or equal to 5 mm BTU/hr CO shall not exceed 0.225 lb/mmBTU and 300 ppm @ 3% O₂.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 10 of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records:</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>
<p>Condition: 97NM-138: Natural Gas-Fired Greater than or equal to 5 mm BTU/hr Particulate Matter (PM 10) shall not exceed 0.012 lb/mmBTU.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 5 of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: 97NM-138: Natural Gas-Fired Greater than or equal to 5 mm BTU/hr VOC shall not exceed 0.013 lb/mmBTU and 30 ppm @ 3% O₂.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 25 or 25A of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>
<p>Condition: 97NM-138: Natural Gas-Fired Greater than or equal to 5 mm BTU/hr SO₂ shall not exceed 0.0006 lb/mmBTU.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: EPA Method 6 or 6C of 40 CFR 60, App. A</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping. See 2.5. Once every 5 years after startup. See 2.6.</p> <p>Required Records: See 2.5</p>	Continuous	<p>CDM: Owner/operator maintains the following required records: Vendor certification and invoices from distillate fuel-oil supplier for all fuel-oil consumed by the boilers. Fuel usage logs: fuel meter readings are taken daily and run time of the boiler logged. Reports are prepared to calculate monthly emission levels for each boiler. Compliance verification source testing was performed in August 2003 in accordance with an approved test plan. Results did not exceed regulatory thresholds.</p> <p>Comment: References: Compliance Determination Test Plan for Energy Savings Performance Contract (ESPC) Boilers, approved June 24, 2003 and Johnson Controls 2003 Boiler Emissions Tests DOE# DE-AC06-97RL13184, September 12, 2003.</p>

Requirement	Compliance Status	Compliance Determination Method
Condition: "Good combustion practices" will be applied to all boilers. All boilers: Operation and Maintenance Manuals will be obtained from the manufacturer(s) and made available for review by Ecology on request. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: None. Required Records:	Continuous	CDM: Operation and Maintenance Manuals are available for review. Comment:
Condition: "Good combustion practices" will be applied to all boilers. All boilers: Daily: Visually check combustion. Record available operating data. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: None. Required Records:	Continuous	CDM: Visual observations and inspections are conducted daily. Operating data are recorded and daily round sheet records are maintained. In addition, abnormal conditions are discussed and corrective measures immediately are implemented whenever possible or entered into JCI's Maintenance Management Program. Comment:
Condition: "Good combustion practices" will be applied to all boilers. All boilers: Monthly: Inspect burner. Inspect boiler exteriors. Check combustion controls. Check for leaks. Check for unusual noise, vibrations, etc. Check for unusual noise, vibrations, etc. Model ID: Not applicable. EPA Test Method: Not specified. EPA Test Method Frequency: Not applicable. Periodic Monitoring: None. Required Records:	Continuous	CDM: Visual observations and inspections are made monthly. Abnormal conditions (leaks, excessive noise, vibrations) are recorded on monthly inspection checklists and records are maintained. Corrective measures immediately are implemented whenever possible or entered into JCI's Maintenance Management Program. Comment:
Condition: WAC 173-400-040 1st para: Reasonably available control technology (RACT). Model ID: Not applicable. EPA Test Method: None. EPA Test Method Frequency: Not applicable. Periodic Monitoring: Permit terms considered RACT. Required Records:	Continuous	CDM: Permit terms are considered RACT. Comment:

Permit: 00-05-006 Significant Modification **Issue Date:** 11-15-02 **Date In AOP:** 11-25-02

NOC: Significant Modification - Good Combustion Practice

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: "Good combustion practices" will be applied to all boilers. Semi-annually: Visually inspect air supply system, and clean and repair if necessary.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: None.</p> <p>Required Records:</p>	Continuous	<p>CDM: Visual observations and inspections are conducted monthly. Abnormal conditions are recorded and checklists are maintained. Corrective measures immediately are implemented whenever possible or entered into JCIs Maintenance Management Program.</p> <p>Comment:</p>
<p>Condition: "Good combustion practices" will be applied to all boilers. Semi-annually: Clean and check fuel supply system (visually inspect and replace filters if necessary).</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: None.</p> <p>Required Records:</p>	Continuous	<p>CDM: Visual observations and inspections are conducted monthly. Abnormal conditions are discussed and recorded and checklists are maintained. Corrective measures immediately are implemented whenever possible or entered into JCIs Maintenance Management Program.</p> <p>Comment:</p>
<p>Condition: "Good combustion practices" will be applied to all boilers. Annually: Conduct boiler tuneups on large boilers (greater than 5 mmBTU/hr heat input) by manufacturer trained technicians or other qualified personnel. See 2.5 for recordkeeping. Inspect refractory for Power Boilers. Clean fireside surfaces and breaching for Power Boilers.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: None.</p> <p>Required Records:</p>	Continuous	<p>CDM: Boiler tune-ups are performed annually or more frequently if needed. Tapes recording the tune-up and boiler performance are maintained as records. Fireside surfaces and breaching are cleaned just prior to the annual inspection. Annual internal inspection is conducted by a third-party certified inspector. The inspector completes a report certifying conditions were satisfactory. Any unsatisfactory conditions immediately are corrected otherwise certification for operation will not be granted. The inspection report is maintained as record of the inspection.</p> <p>Comment: No unsatisfactory conditions were noted during the 2006 annual inspection.</p>

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: "Good combustion practices" will be applied to all boilers. Every two years: Conduct boiler tuneups on smaller boilers (less than 5 mmBTU/hr heat input) by manufacturer trained technicians or other qualified personnel. See 2.5 for recordkeeping. Clean fireside surfaces and breaching for Low Pressure Boilers.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: None.</p> <p>Required Records:</p>	Continuous	<p>CDM: Boiler tune-ups are performed annually or more frequently if needed. Tapes recording the tune-up and boiler performance are maintained as records. Fireside surfaces and breaching are cleaned just prior to the biennial inspection. The internal inspection is conducted every 2 years by a third-party certified inspector. The inspector completes a report certifying conditions were satisfactory. Any unsatisfactory conditions immediately are corrected or certification for operation will not be granted. The inspection report is maintained as record of inspection.</p> <p>Comment: No unsatisfactory conditions were noted for the last biennial inspection.</p>
<p>Condition: "Good combustion practices" will be applied to all boilers. Every two years: Inspect refractory for Low Pressure Boilers.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: None.</p> <p>Required Records:</p>	Continuous	<p>CDM: An internal inspection is conducted every 2 years by a third-party certified inspector. The inspector completes a report certifying conditions were satisfactory. Any unsatisfactory conditions are immediately corrected or certification for operation will not be granted. The inspection report is maintained as record of the inspection.</p> <p>Comment: No unsatisfactory conditions were noted for the last biennial inspection.</p>

Nuisance Standards
Page in AOP: 1-011

Permit: 00-05-006 Issue Date: 07-02-01 Date In AOP: 07-02-01

NOC: Sitewide for Odor, Concealment and Masking, Fallout, etc.

Requirement	Compliance Status	Compliance Determination Method
<p>Condition: Fallout: Prohibits emissions of particulate matter from any source to be deposited beyond the facility boundaries in sufficient quantity to interfere unreasonably with the use and enjoyment of the property upon which the material was deposited.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping of Complaint Investigation.</p> <p>Required Records:</p>	Continuous	<p>CDM: No complaints received from Ecology as specified in AOP Attachment 1, Table 1.2, during the reporting period.</p> <p>Comment:</p>
<p>Condition: Odor: Requires any facility causing an odor which unreasonably interferes with another person's use and enjoyment of their property to use recognized good practices and procedures to reduce odors to a reasonable minimum.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping of complaint investigations.</p> <p>Required Records:</p>	Continuous	<p>CDM: No complaints received from Ecology as specified in AOP Attachment 1, Table 1.2, during the reporting period.</p> <p>Comment:</p>
<p>Condition: Emissions detrimental to persons or property: Prohibits emissions of any air contaminant from any source which is detrimental to the health, safety, or welfare of any person, or causes damage to property or business.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping of complaint investigations.</p> <p>Required Records:</p>	Continuous	<p>CDM: No complaints received from Ecology as specified in AOP Attachment 1, Table 1.2, during the reporting period.</p> <p>Comment:</p>
<p>Condition: Concealment and Masking: Prohibits the installation or use of any device or use of any means which conceals or masks an emission of an air contaminant which would otherwise violate any provision of WAC 173-400.</p> <p>Model ID: Not applicable.</p> <p>EPA Test Method: Not specified.</p> <p>EPA Test Method Frequency: Not applicable.</p> <p>Periodic Monitoring: Recordkeeping of complaint investigations.</p> <p>Required Records:</p>	Continuous	<p>CDM: No complaints received from Ecology as specified in AOP Attachment 1, Table 1.2, during the reporting period.</p> <p>Comment:</p>